



343071
Martin OBZINA

10056 Toluca Lake Dr

North Hollywood

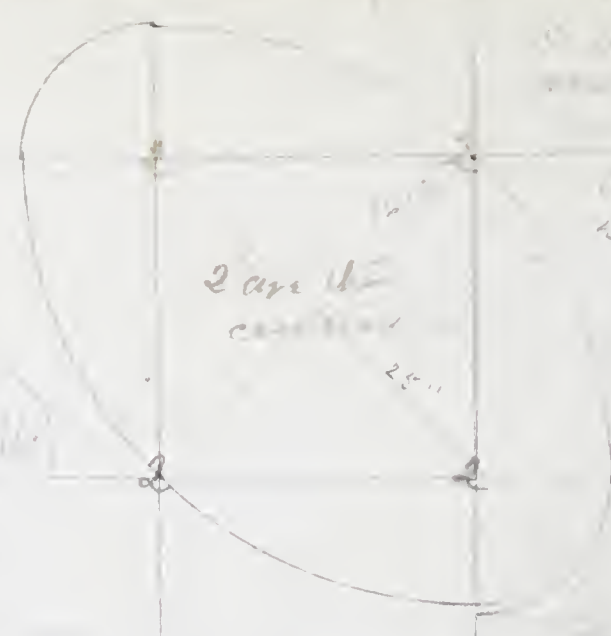
California 91602

CA 19143

3. To draw from a center
circumference for an arc
between two points on the
line. The distance between
the points is 25.

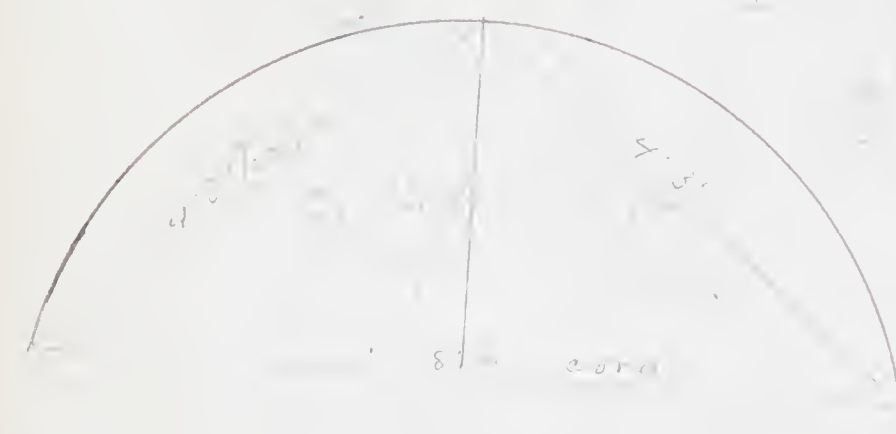


4. Find the radius of a circle.



5. To multiply 2 numbers
by the method
of the diameter 7554
the result is the same
4 $25 \times 16.5 = 412.5$
 $412.5 \times 78.4 = 323.92$

2 are the
center



6. To find the length of a cord of half the
circumference of a circle. The radius is 25.1
the length of the cord is 31.4159

$$4.5 \times 8 = 36$$

$$36 - 3.7 = 32.3$$



7. To find the length of a cord of half the
circumference of a circle. The radius is 25.1
the length of the cord is 31.4159



8. To find the length of a cord of half the
circumference of a circle. The radius is 25.1
the length of the cord is 31.4159

9. To find the length of a cord of half the
circumference of a circle. The radius is 25.1
the length of the cord is 31.4159

PROGRESSIVE AMERICAN

ARCHITECTURE,

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ALL DRAWN TO AN INTELLIGIBLE SCALE,

BY

G. B. CROFF, ARCHITECT,

Author of "MODEL SUBURBAN ARCHITECTURE" and "ORIGINAL DESIGNS FOR FRONT ENTRANCE DOORS."

BICKNELL & COMSTOCK, 27 WARREN STREET, NEW YORK.

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ARGUMENT.



In presenting to the art-loving and mechanical public this work on Architectural Design, the author has endeavored to render it worthy of its title in the originality, character, and variety of the matter it embraces. That a high-toned work of this character, of original conception, imparts to the community at large an elevating and refining influence, no one will attempt to deny, as from its perusal noble resolutions are born, sketching in imagination that dearest of all places on earth to the human heart—a beautiful home, around which hope and memory delight ever to linger.

In the selection of matter herein presented, it is believed much food for the architectural mind will be found. Most designs given in illustration have been executed, well studied and corrected, and reproduced for publication, and none but the choicest models of their kind have been inserted. The range of subject is extensive, and the treatment of each particular one very thorough in illustration. The pleasing variety found in the many plates of bold and beautiful details will prove invaluable to the progressive mechanic, and the fine studies developed in the elevations, in many of which will be found that picturesque variety of sky outline, depth of shadow, and sweet repose so charming in an architectural conception, with their romantic and varied plans, will afford many themes for expanding and cultivating thought.

It is well to remember that just as much material and labor is required to build a distorted, unpleasing house, as for one very attractive; hence, the first and most important step to be taken by parties contemplating building, is to select from a standard work a good design, or, what is still more judicious, to call into requisition the services of an experienced architect, as he will be able to relieve his employer of much trouble and annoyance, saving him several times the amount of his fees, and lightening the responsibility of the builder, in preventing many small but very annoying errors from creeping in, rendering the entire design well studied and pleasing. The thorough utility of this work will be seen at a glance in turning it over, as designs of moderate cost have been developed with the same care and study that have been expended on the more important ones, thus presenting fine models of every grade of cost. Should this work prove a source from whence shall be derived ideas to be embodied in many delightful and attractive homes—lasting and beautiful monuments that shall leave on every beholder an indelible impression that shall bloom and bring forth fruit again—the loftiest ambition of the author will have been achieved.

G. B. CROFF, Architect,

SARATOGA SPRINGS, N. Y.

MARTIN OBZINA



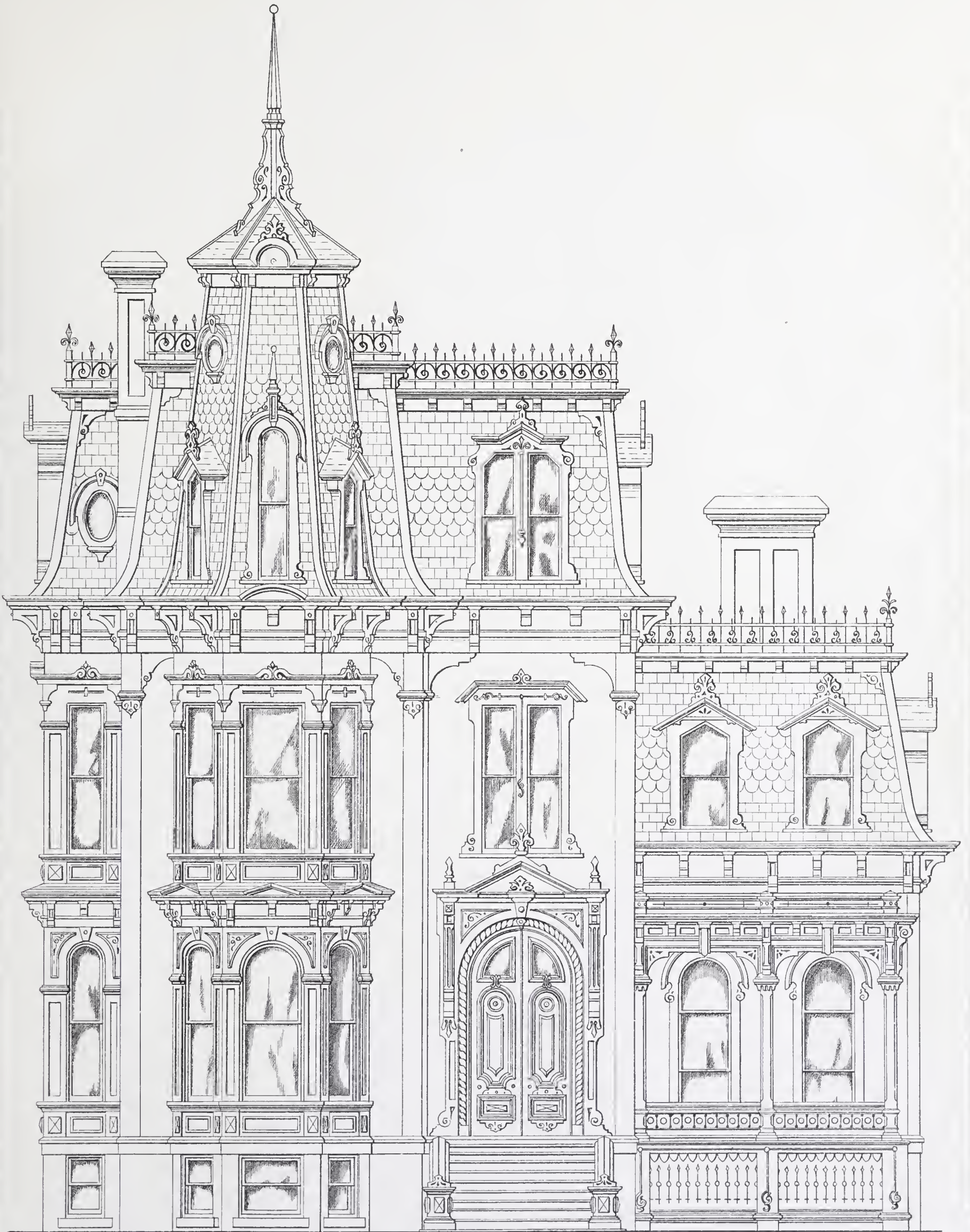
HELIO TYPE:

PLATE No. 1.

DESIGN FOR AN ELEGANT VILLA

Executed on a lofty eminence in the City of Burlington, Vermont, overlooking
the Bay of Burlington and the Adirondack Mountains.

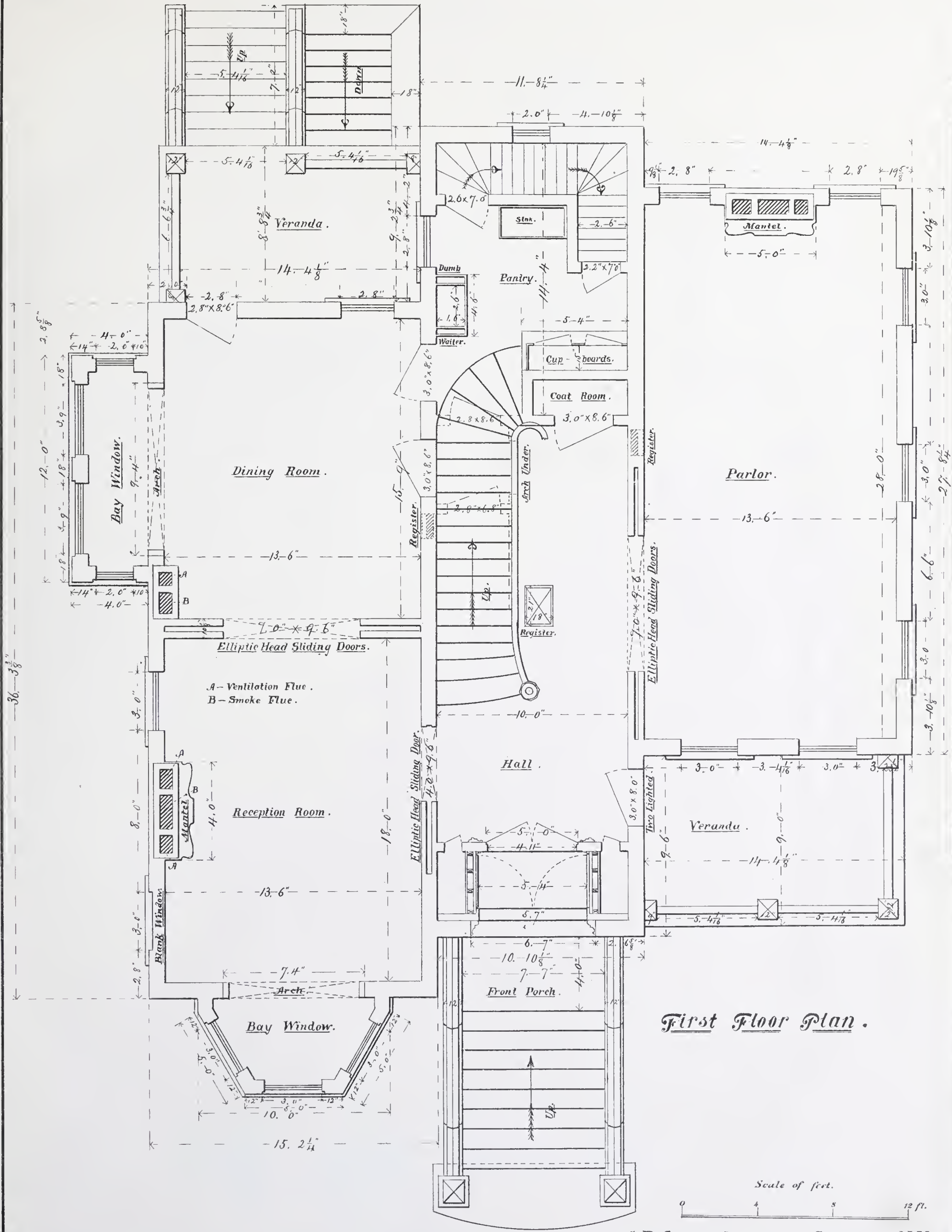
G. B. CROFF, ARCHITECT, SARATOGA, N. Y.



DESIGN FOR RESIDENCE, EXECUTED AT HUDSON, N. Y.

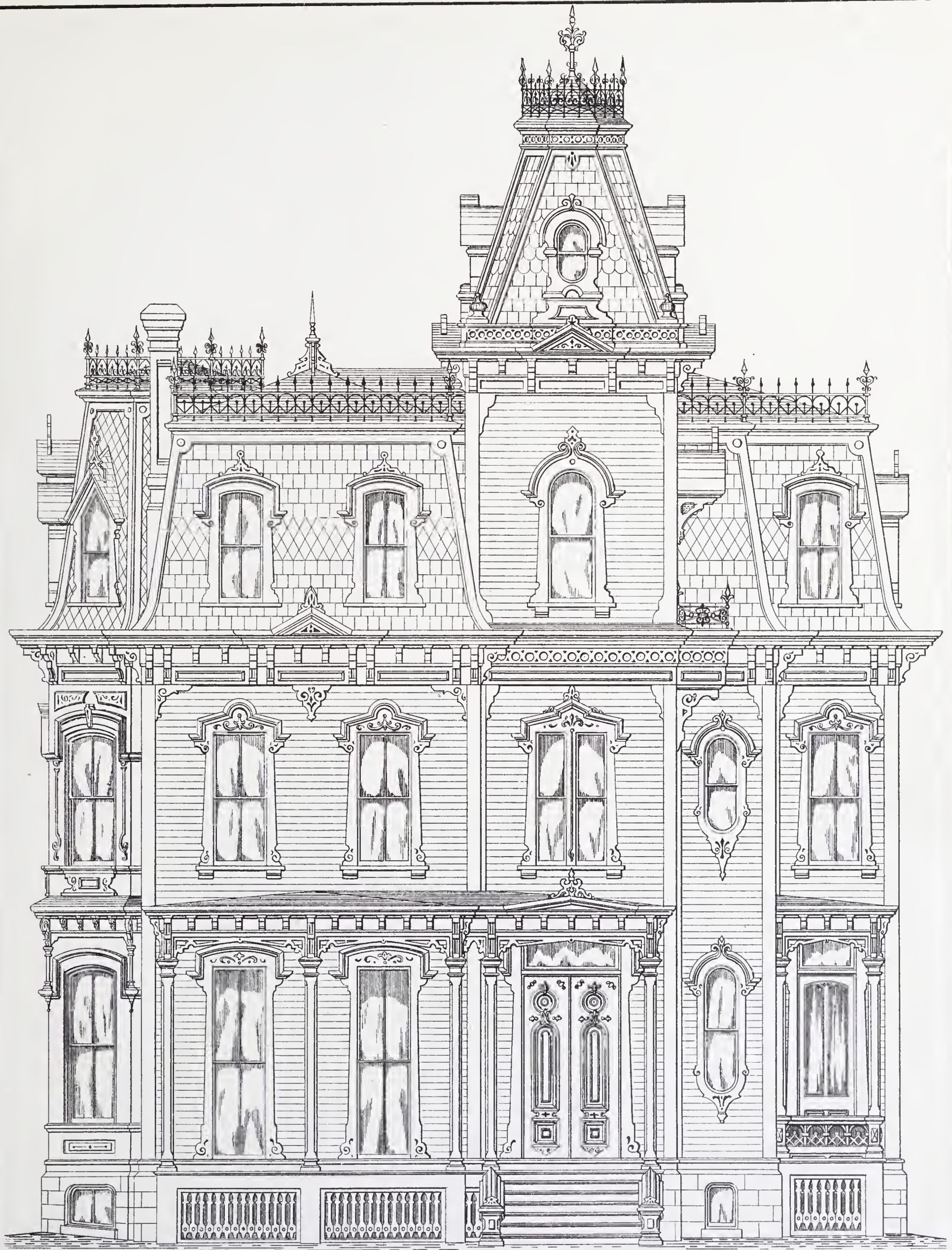
G. B. CROFF. ARCHITECT. SARATOGA.

Scale of Feet.
0 1 2 3 4 10



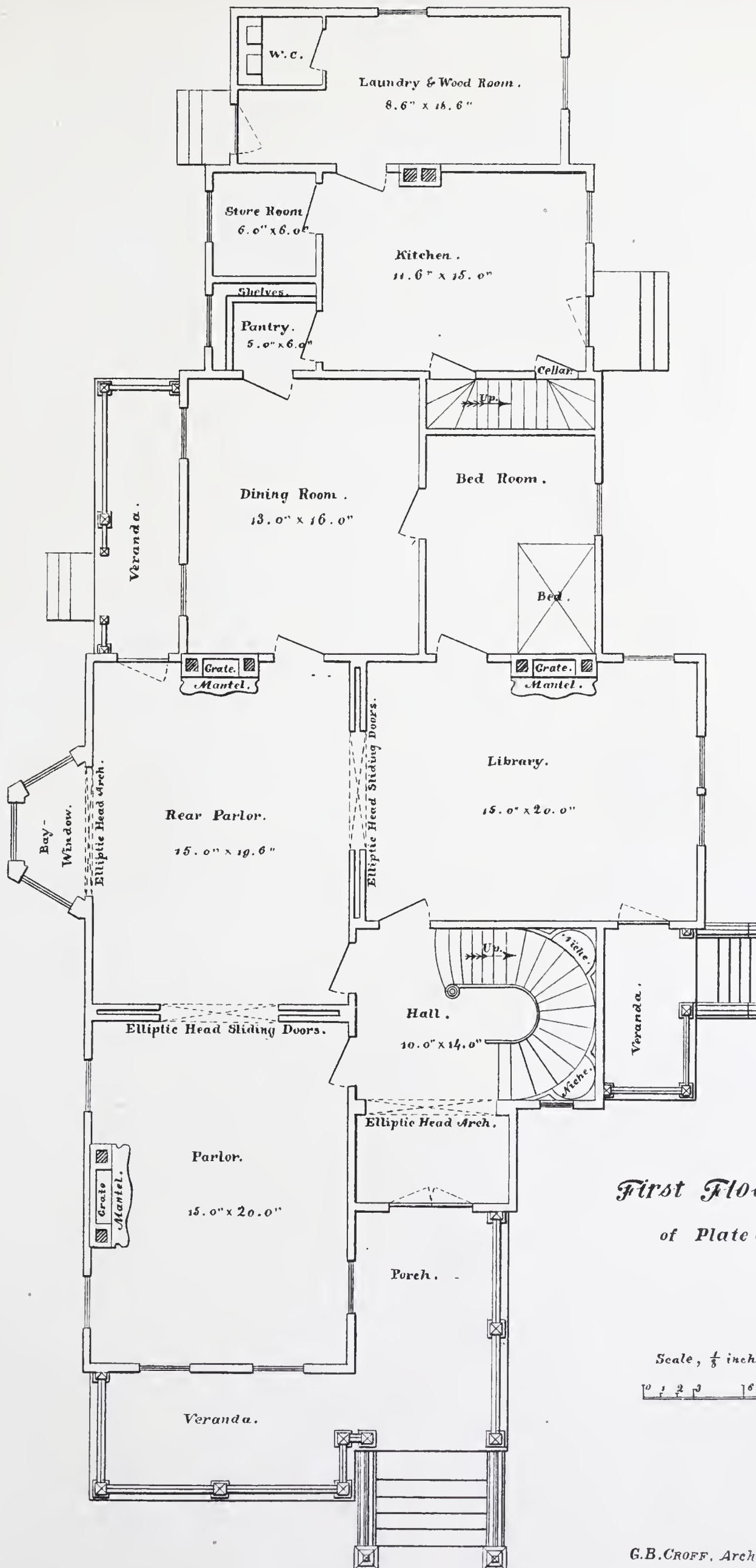
First Floor Plan.

G.B. CROFF, ARCHITECT, SARATOGA N.Y.



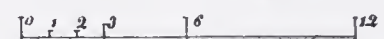
FRONT ELEVATION OF RESIDENCE prepared for execution at SARATOGA SPRINGS, N.Y.

G. B. CROFF, ARCHITECT.

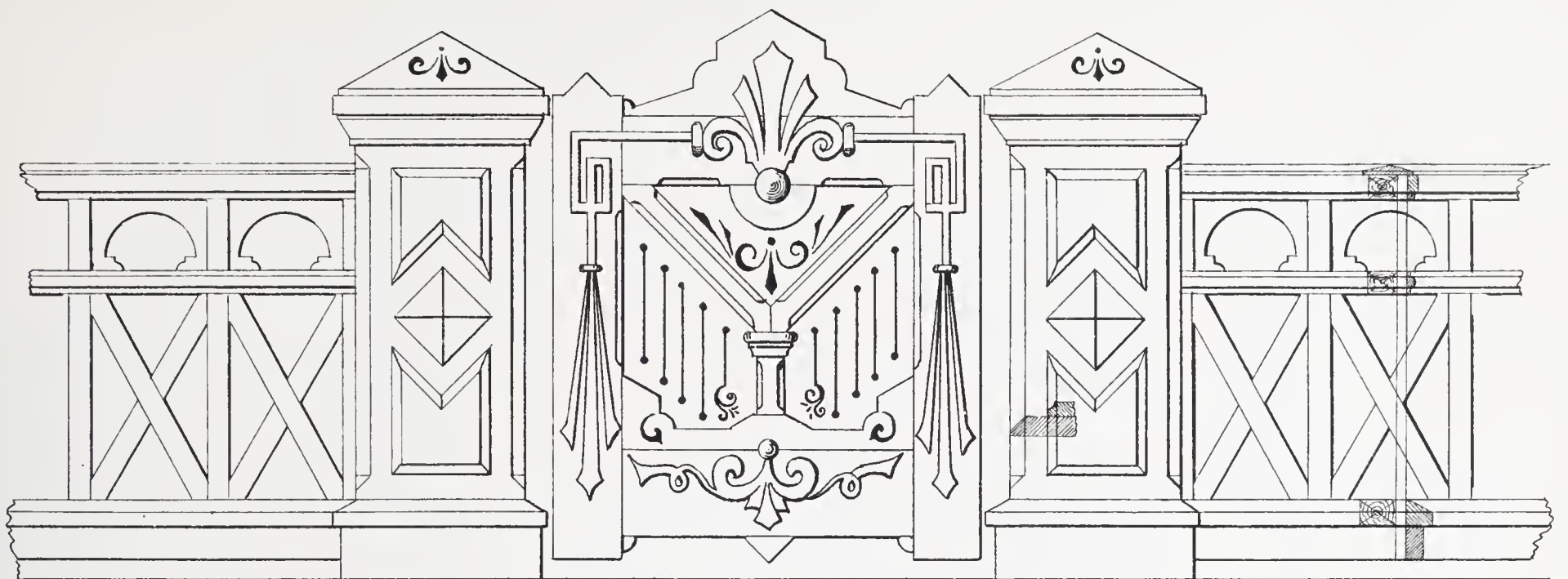


First Floor Plan
of Plate No. 4 .

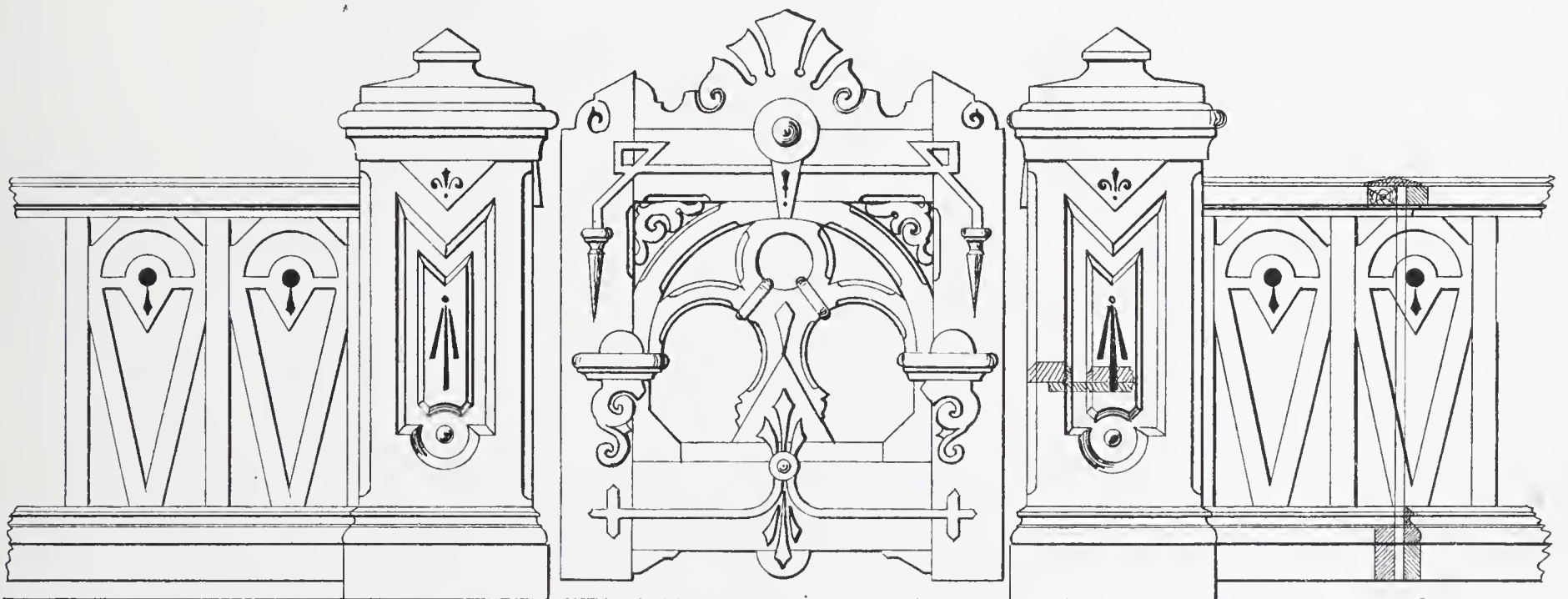
Scale, $\frac{1}{8}$ inch, one foot .



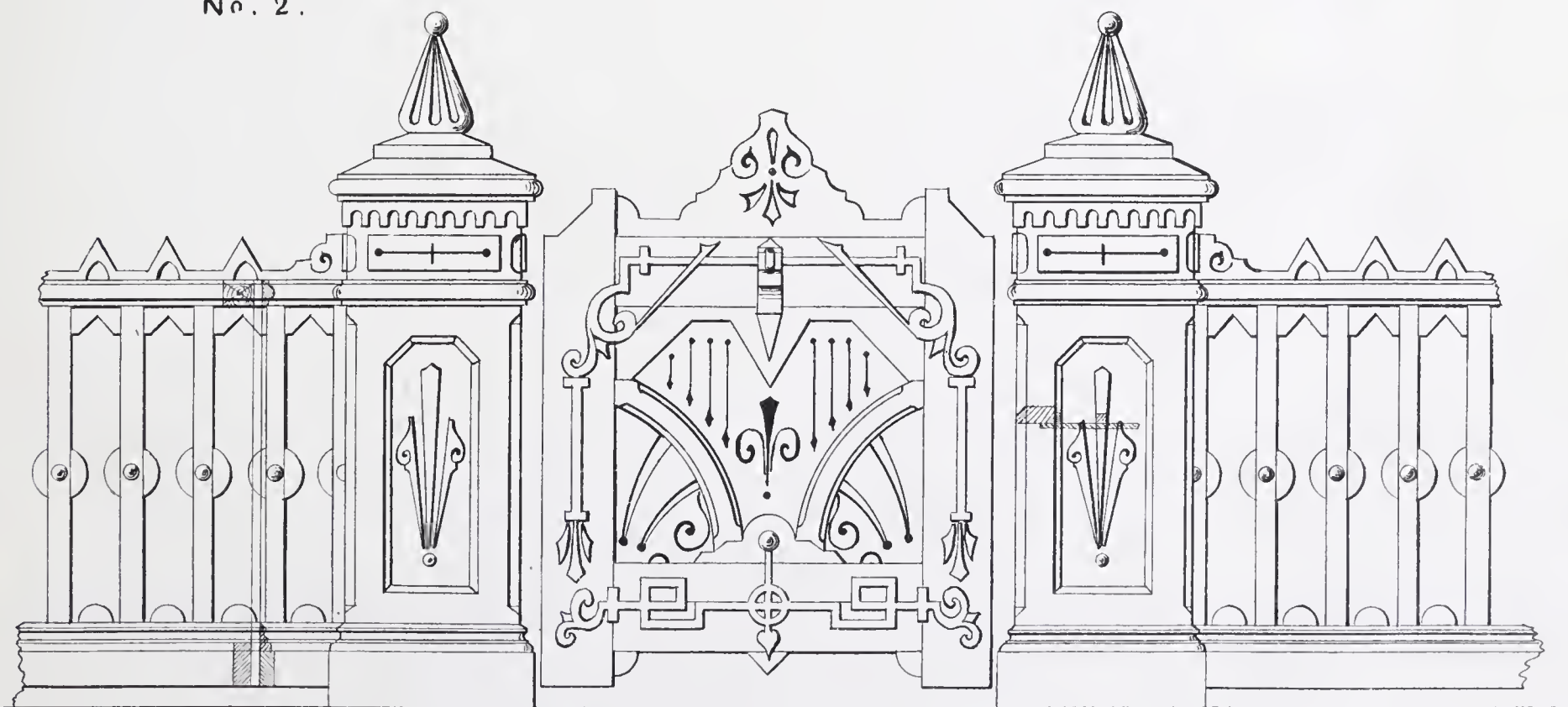
G.B.CROFF, Arch't . SARATOGA SPRING 6, N.Y.



No. 1.



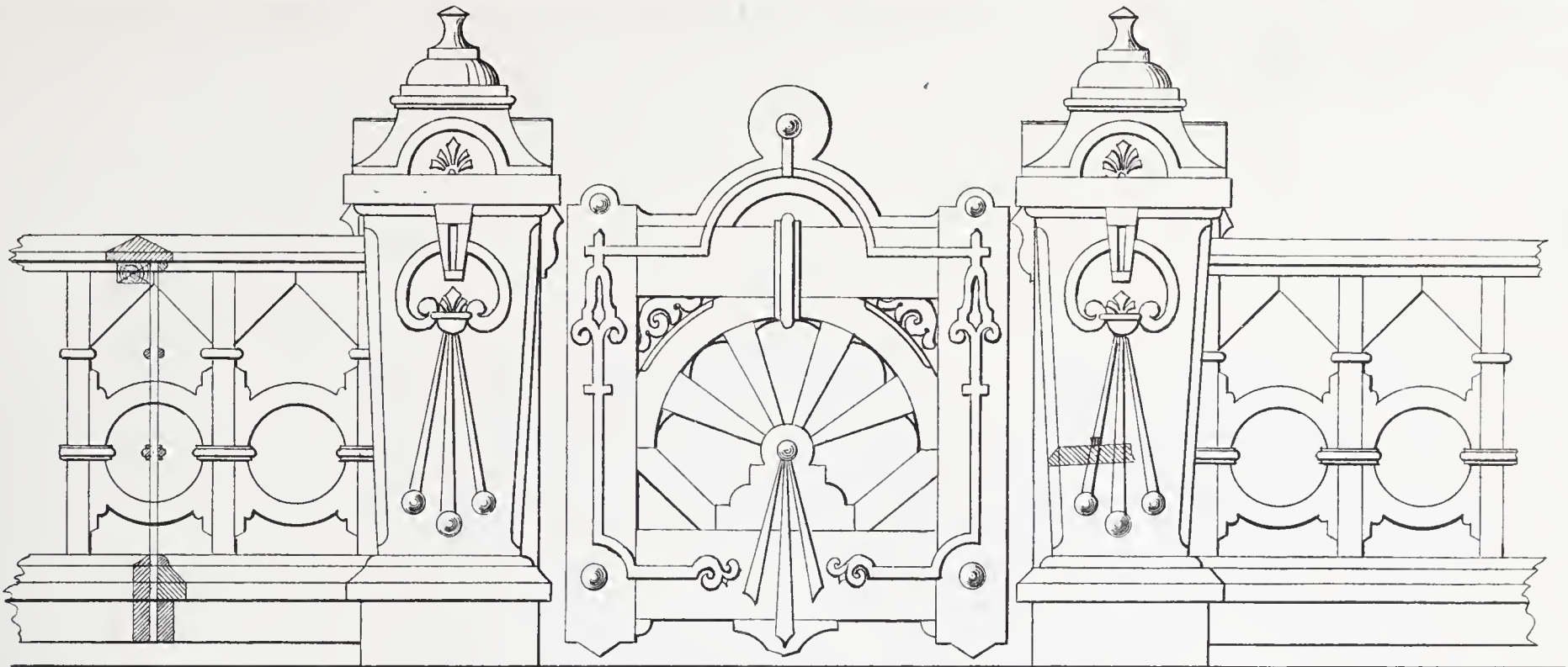
No. 2.



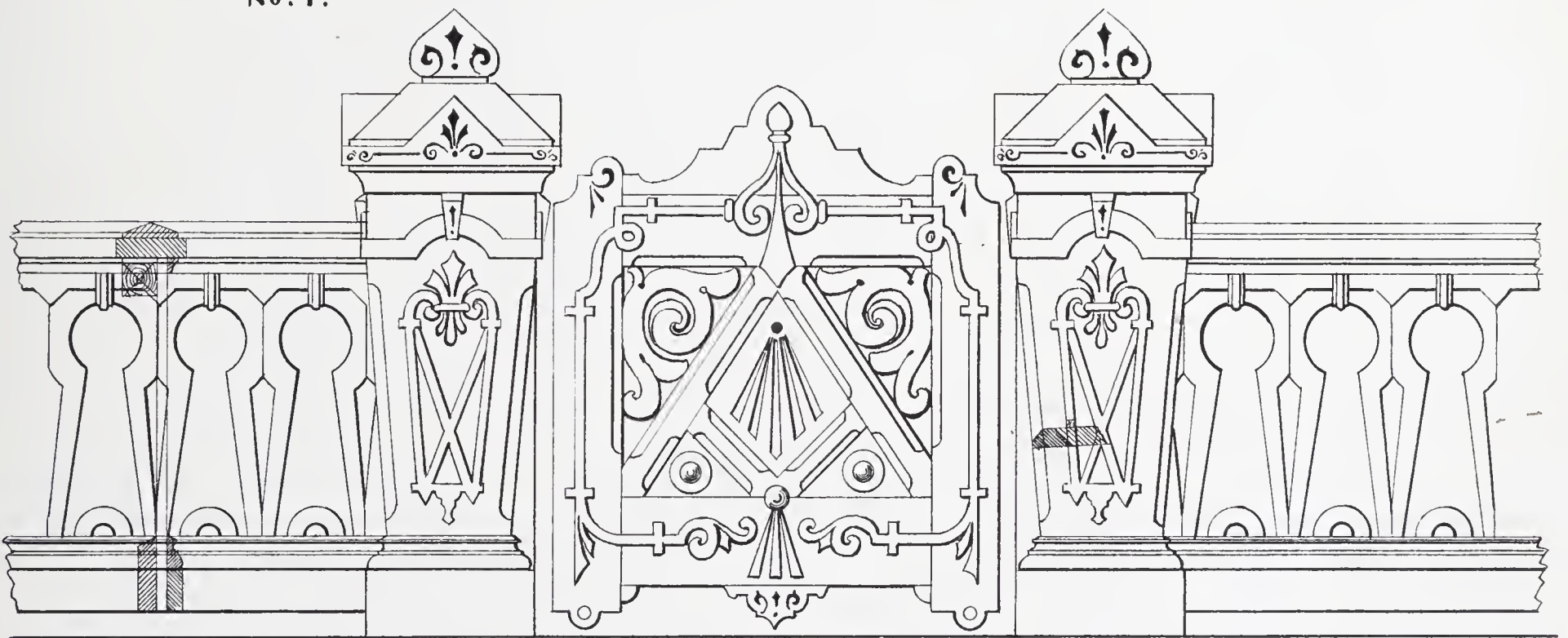
No. 3. Three Original Designs for Fences, Gates, and Posts.
Scale, $\frac{1}{4}$ inch, One foot.

These Designs are easily constructed, and not expensive,
but very rich in appearance, and durable.

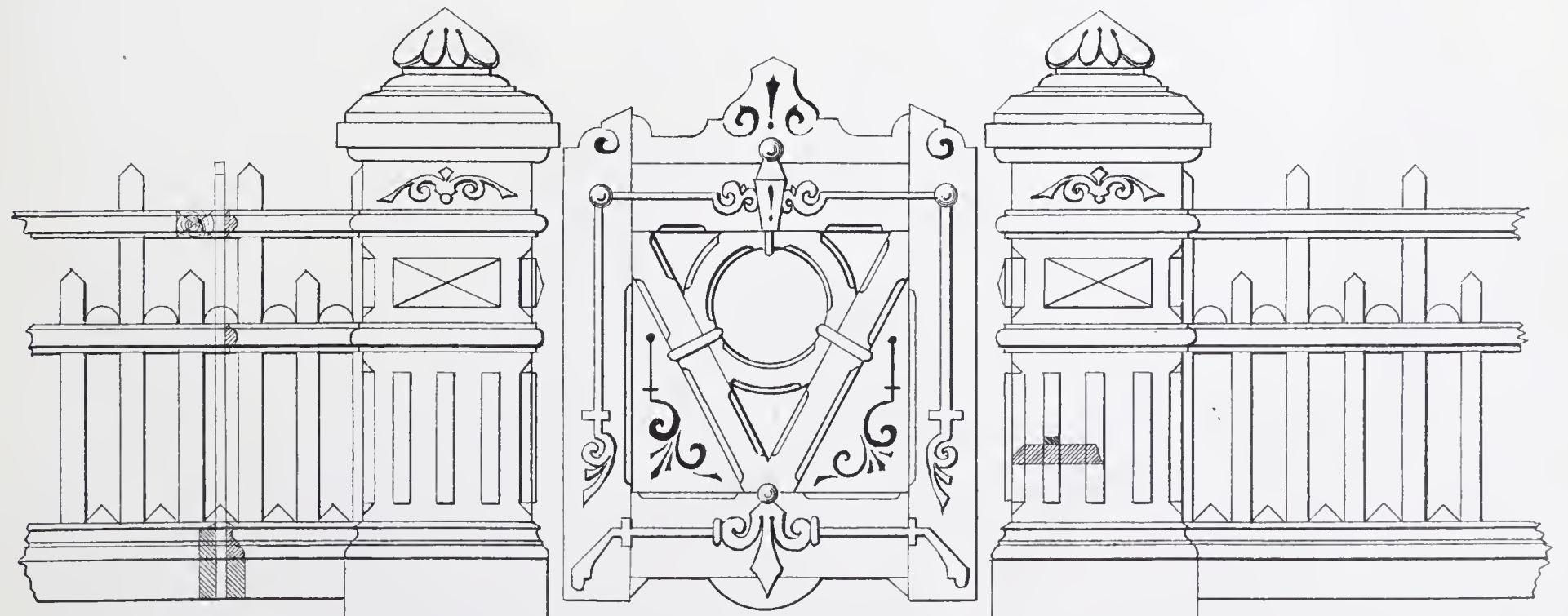
G. B. CROFF, ARCH. SARATOGA, N. Y.



No. 1.



No. 2.



No. 3.

Three Designs

of very elaborate, but cheaply constructed

Scale, $\frac{1}{4}$ inch, One foot.

Fences, Gates, and Posts.

G. B. CROFF, ARCH. SARATOGA, N. Y.

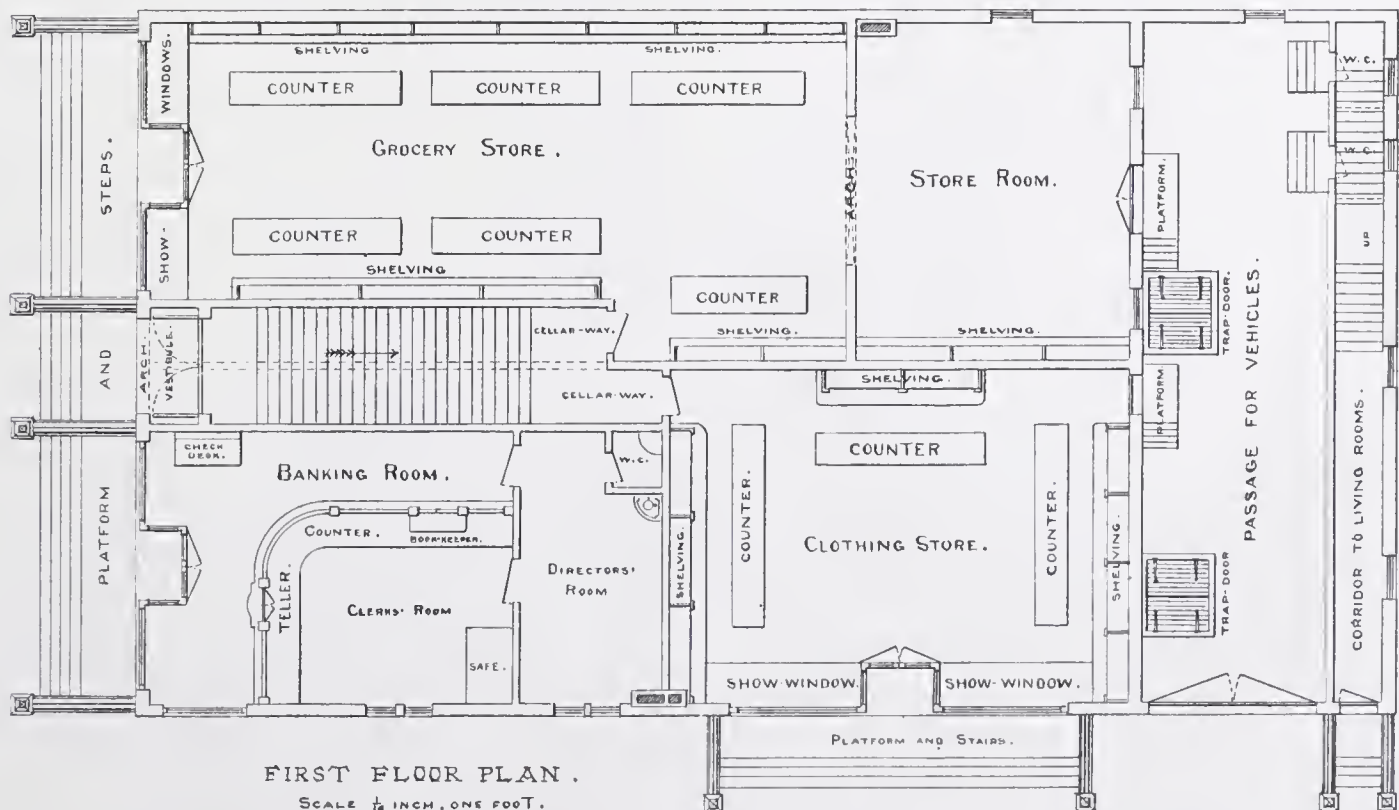


BLOCK of STORES . EXECUTED AT CHARLOTTE , N . C .

G. B. CROFF, ARCHITECT, SARATOGA, N. Y.

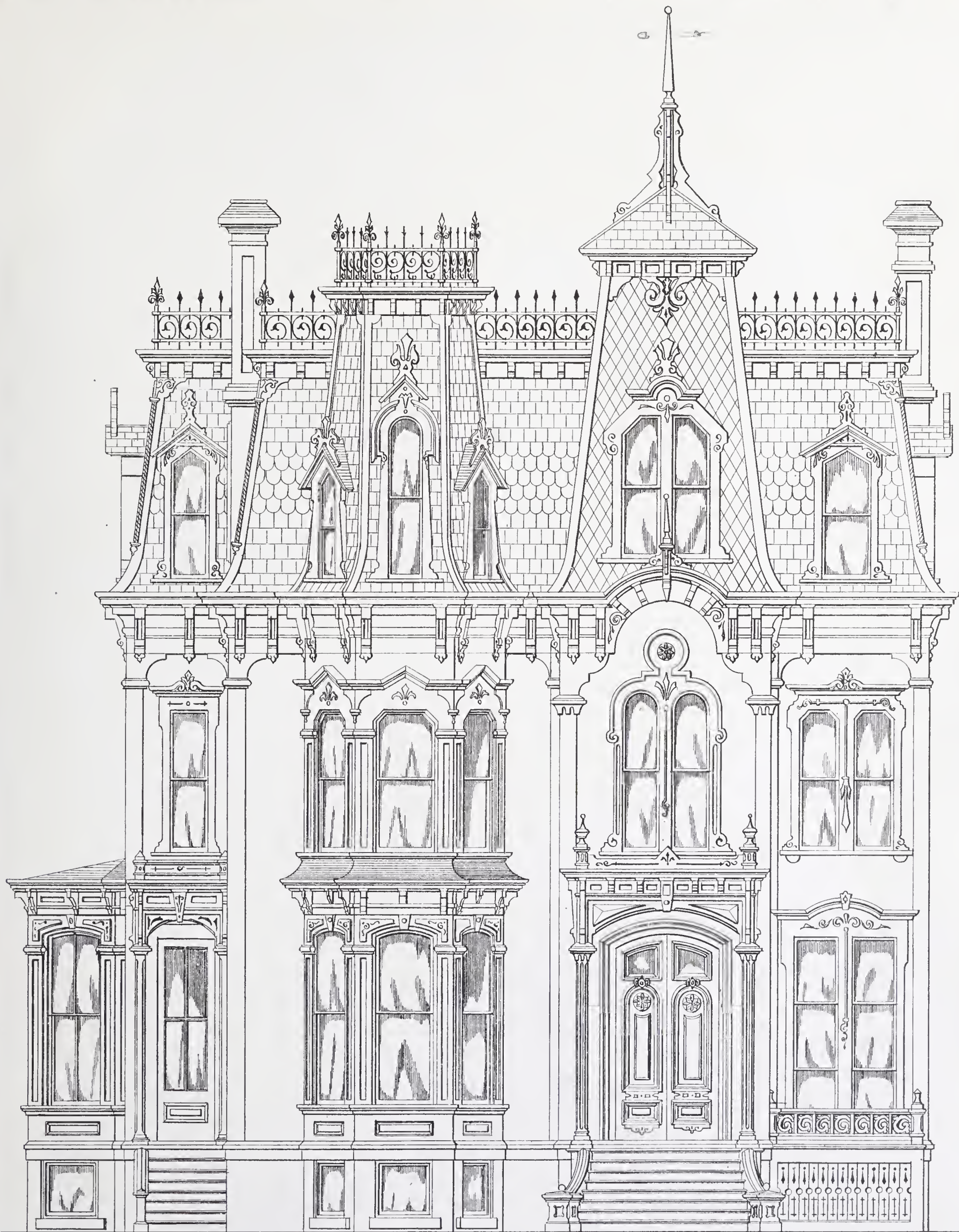


BAKER'S BLOCK. PRESENTS A VERY ATTRACTIVE APPEARANCE.
EXECUTED AT SCAGHTICOKE, N. Y.
SCALE, $\frac{1}{8}$ INCH, ONE FOOT.



FIRST FLOOR PLAN.
SCALE $\frac{1}{8}$ INCH, ONE FOOT.

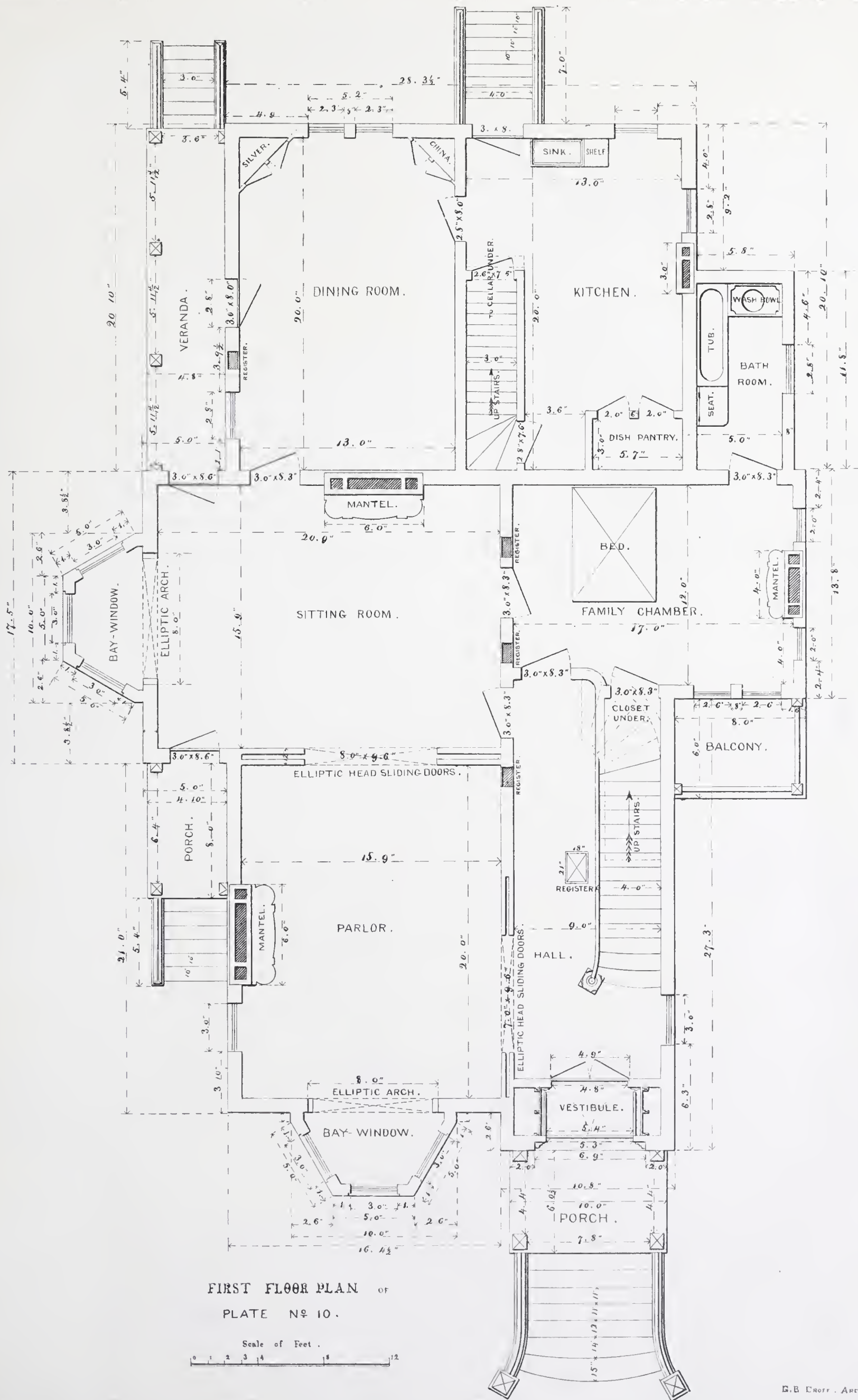
C. B. CROFF, ARCH'T. SARATOGA, N. Y.



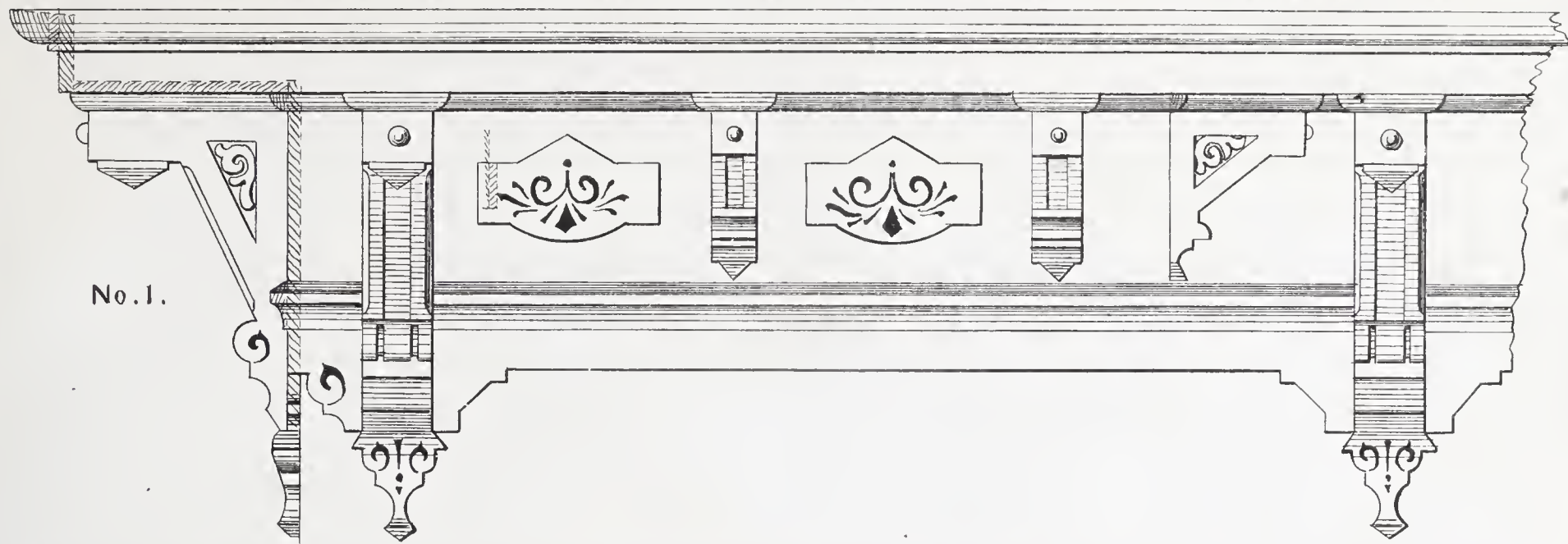
FRONT ELEVATION OF RESIDENCE erected at SARATOGA SPRINGS, N.Y.

0 1 2 3 4 8 12
Scale of feet.

G.B.CROFF, ARCH. SARATOGA, N.Y.



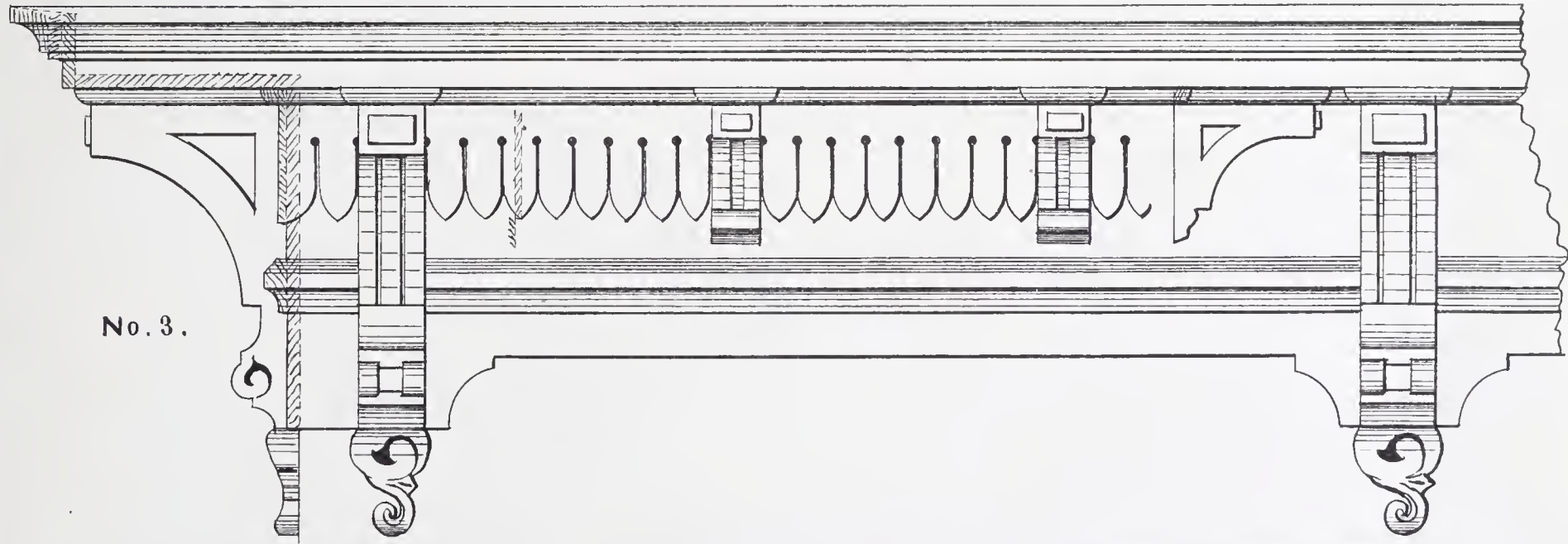
FIRST FLOOR PLAN OF
PLATE No. 10.



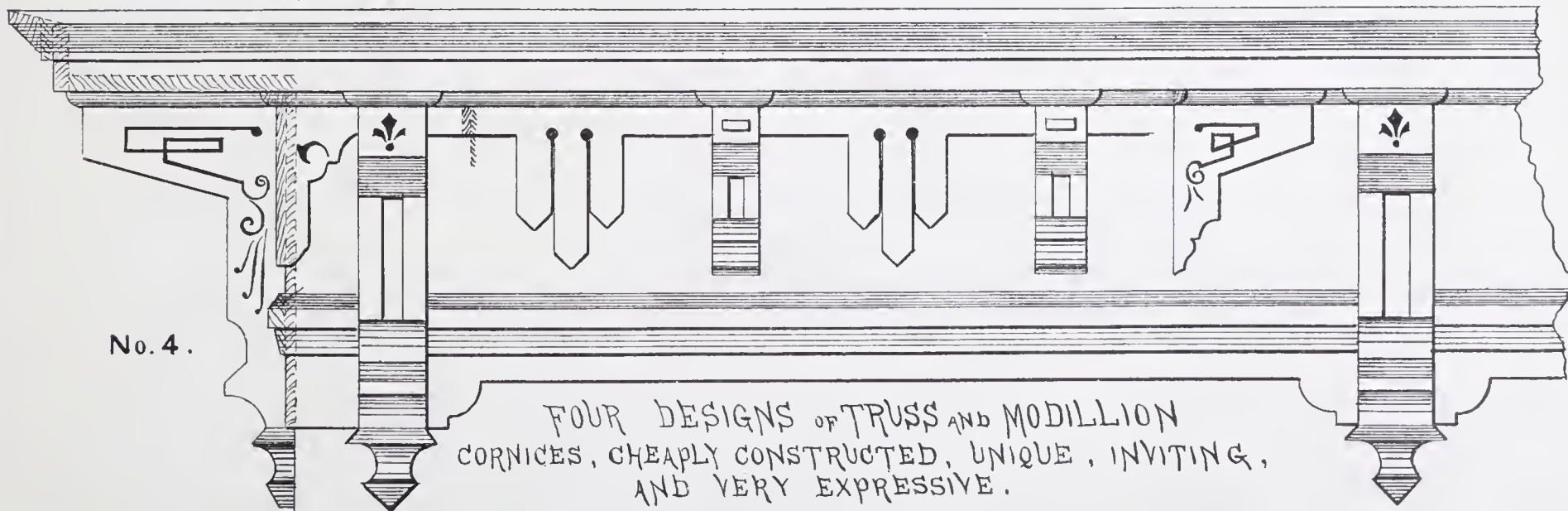
No. 1.



No. 2.



No. 3.



No. 4.

FOUR DESIGNS OF TRUSS AND MODILLION
CORNICES, CHEAPLY CONSTRUCTED, UNIQUE, INVITING,
AND VERY EXPRESSIVE.

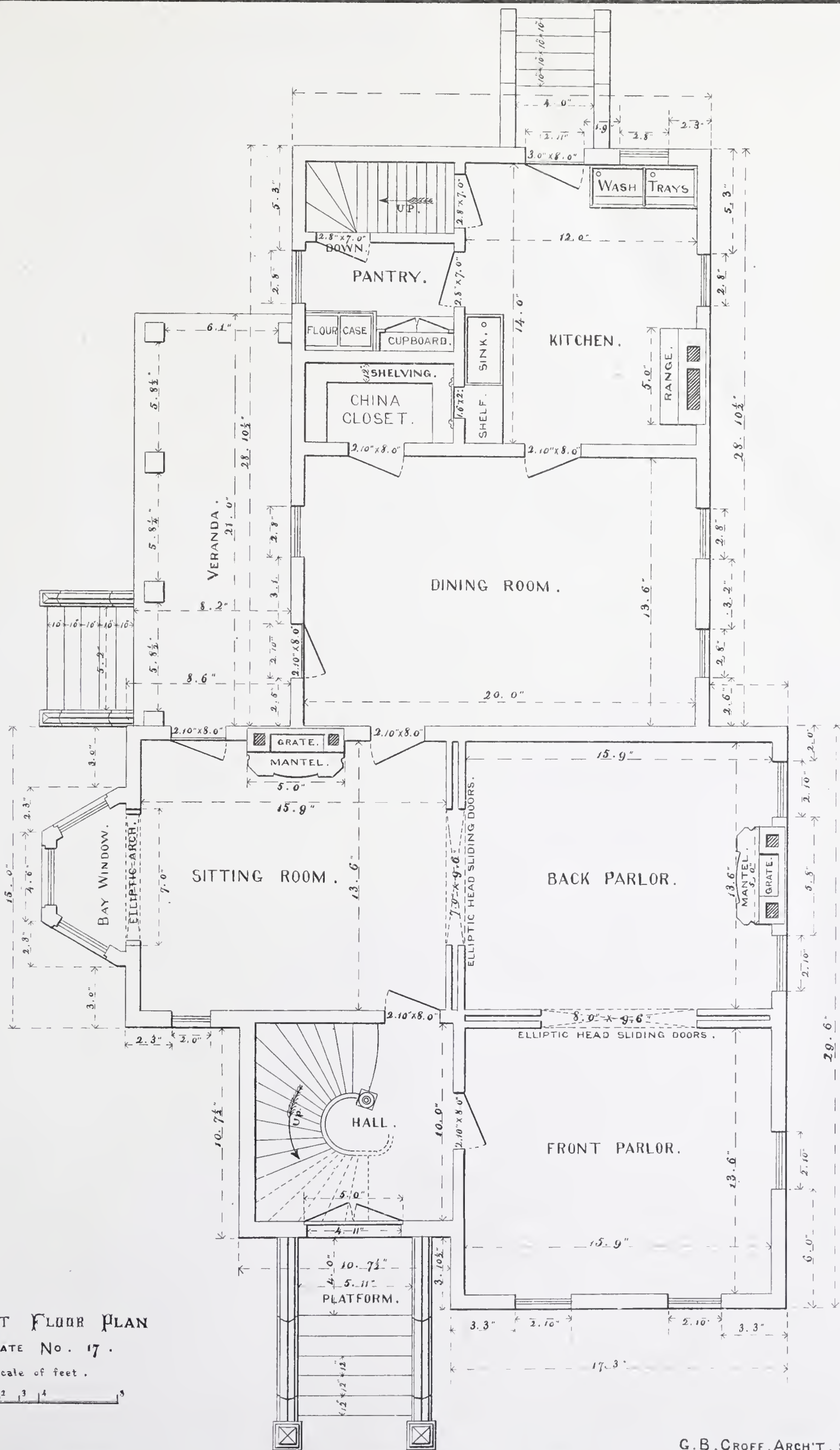
Scale $\frac{3}{4}$ inch . one foot .

Appropriate for a good class of dwellings .

G.B. CRUFF. ARCH'T. SARATOGA . N.Y.

FIRST FLOOR PLAN
OF PLATE NO. 17.

Scale of feet.



G. B. CROFF, ARCH'T, SARATOGA, N. Y.

FRONT ELEVATION.

PROFILE OF
TRUSS AND
SECTION OF
CORNICE.

SASH.

NO. 1.

NO. 2.

PROFILE AND
FRONT OF NO. 1.

PROFILE AND
FRONT OF NO. 2.

PROFILE OF
TRUSS AND
SECTION OF
CORNICE.

SASH.

NO'S 1, 2, 3, & 4 ARE CORNICE BRACKETS OF PLEASING EFFECT.

NO. 3.

NO. 4.

PROFILE AND
FRONT OF NO. 3.

PROFILE AND
FRONT OF NO. 4.

FRONT
ELEVATION.

FRONT
ELEVATION.

PROFILE OF
TRUSS AND
SECTION OF
CORNICE.

SASH.

This Plate contains Three Designs of Belting Cornices especially adapted to open Store Fronts, and may be embellished with circular or angular pediments, with pleasing effect. Executed, they will be found very rich and handsome, but not expensive.

Scale, $\frac{3}{4}$ inch, one foot.

G. B. CROFF, Arch't, SARATOGA, N. Y.

FOOT-LEAVES
MOULDED SQUARE.

FRONT ELEVATION.

PROFILE OF
TRUSS AND
SECTION OF
CORNICE.

NO. 1.

NO. 2.

PROFILE AND
FRONT OF NO. 1.

PROFILE AND
FRONT OF NO. 2.

PROFILE OF
TRUSS AND
SECTION OF
CORNICE.

NO. 3.

NO. 4.

PROFILE AND
FRONT OF NO. 3.

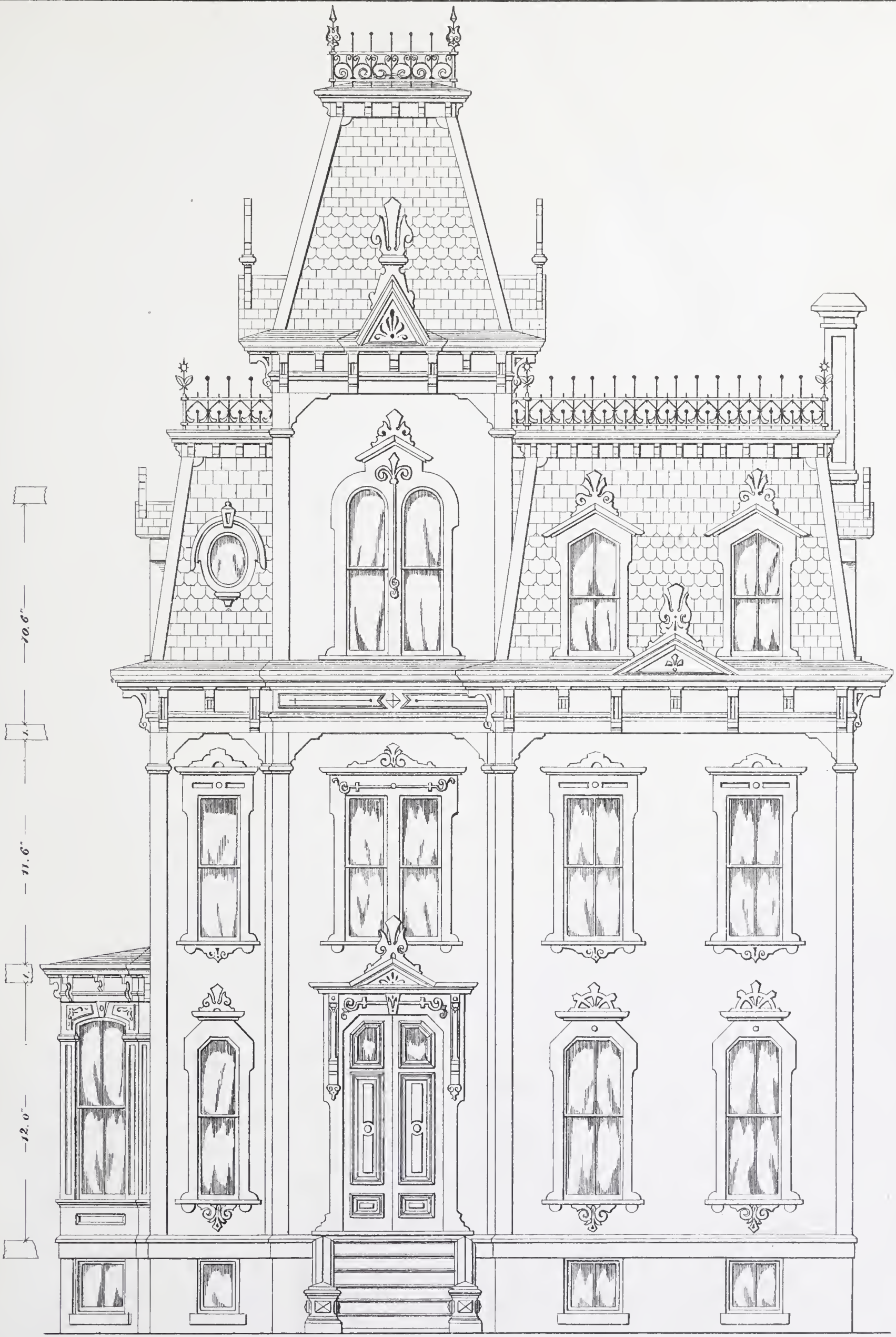
PROFILE AND
FRONT OF NO. 4.

PROFILE OF
TRUSS AND
SECTION OF
CORNICE.

This Plate contains Three Designs of belting cornices ,
for Store- or Bank Fronts, with tapering trusses .
Each design is well studied , and pleasing .
Also Four designs for trusses , given singly .

Scale $\frac{1}{4}$ inch , one foot .

G. B. CROFF. ARCH'T, SARATOGA. N.Y.



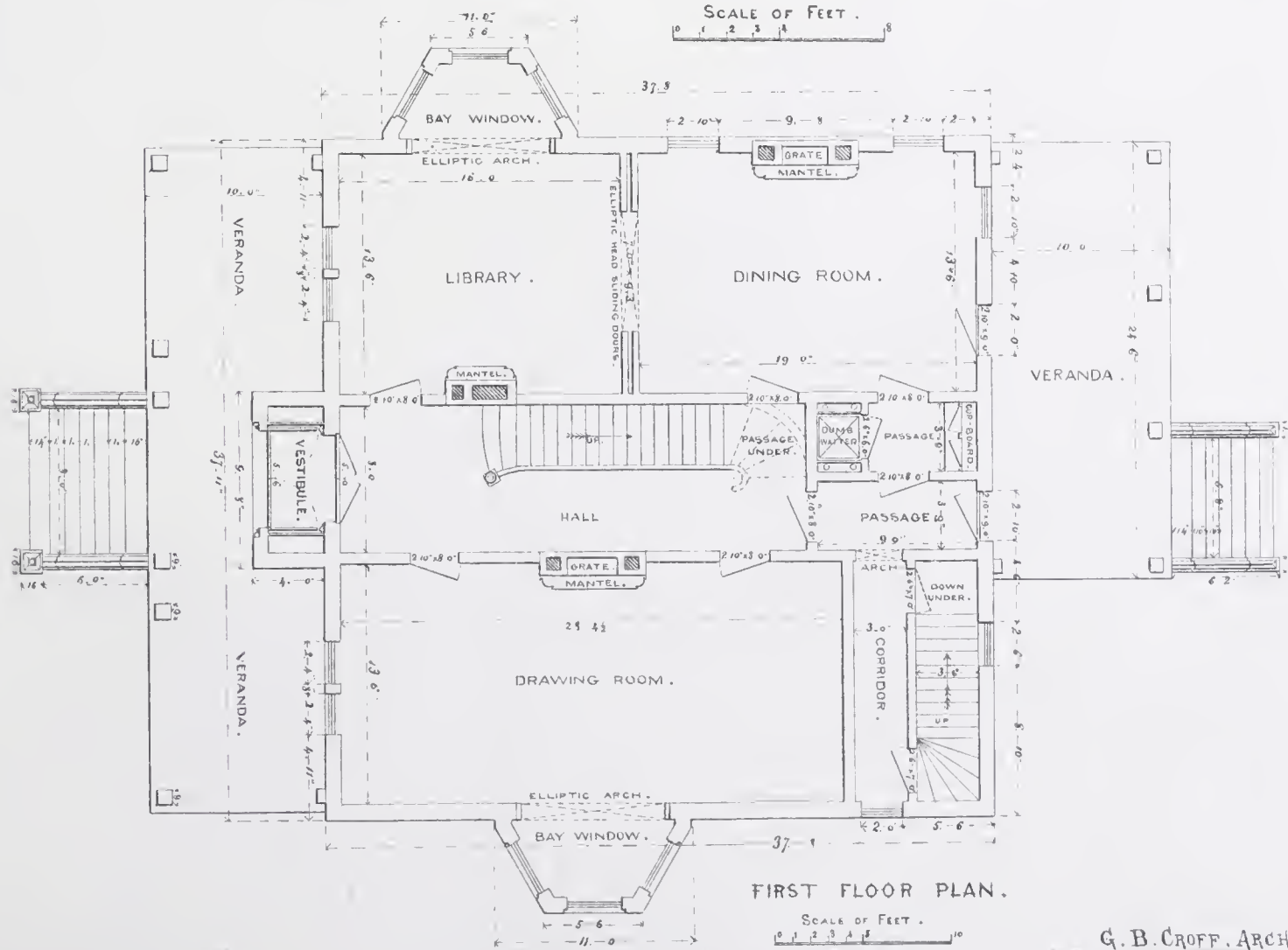
RESIDENCE EXECUTED AT RHINEBECK, N. Y.

Scale of feet.
0 1 2 3 4 5

G. B. Croff, ARCHITECT, SARATOGA, N. Y.

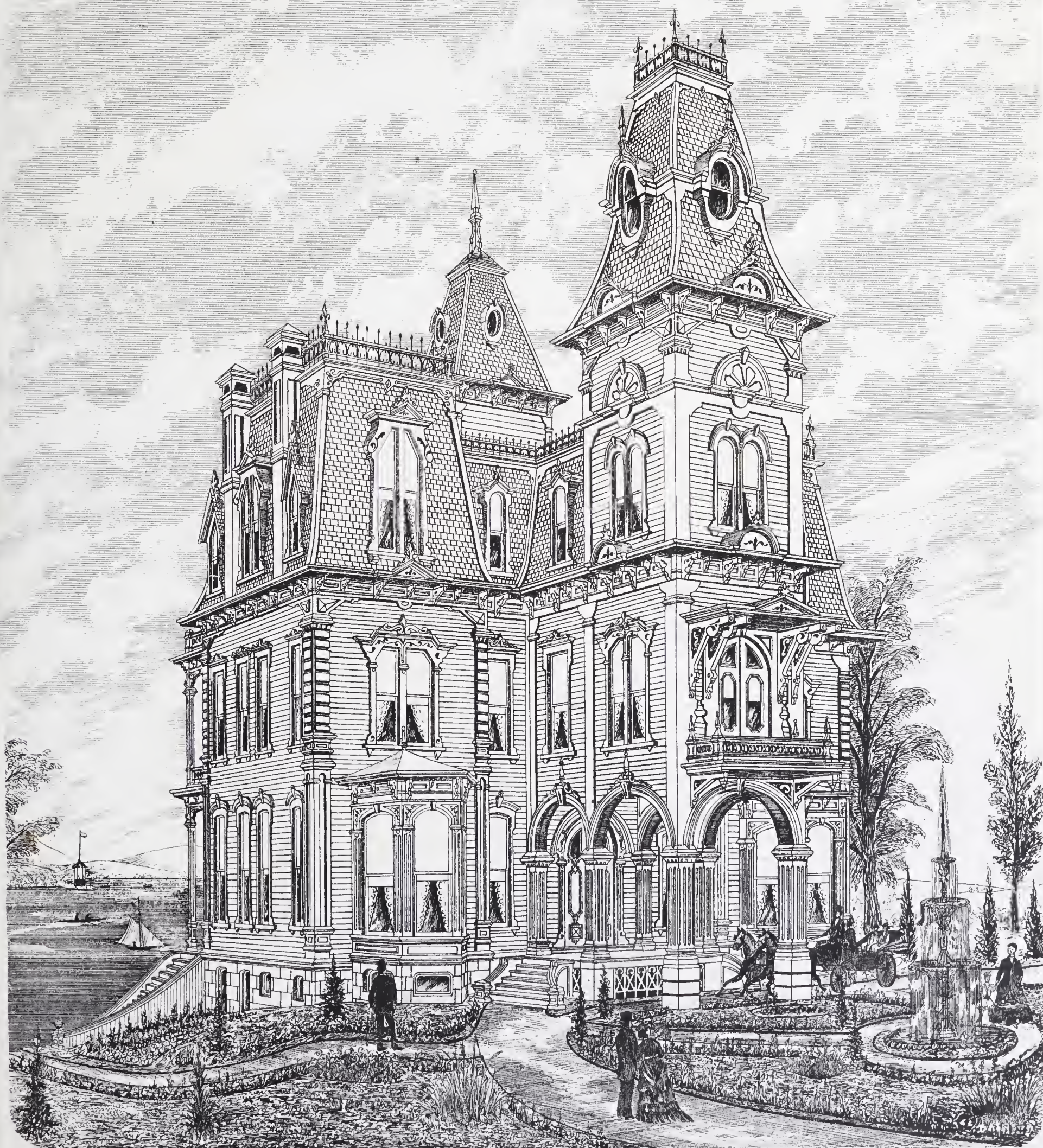


FRONT ELEVATION
OF RESIDENCE PREPARED FOR ERECTION AT HUDSON, N.Y.



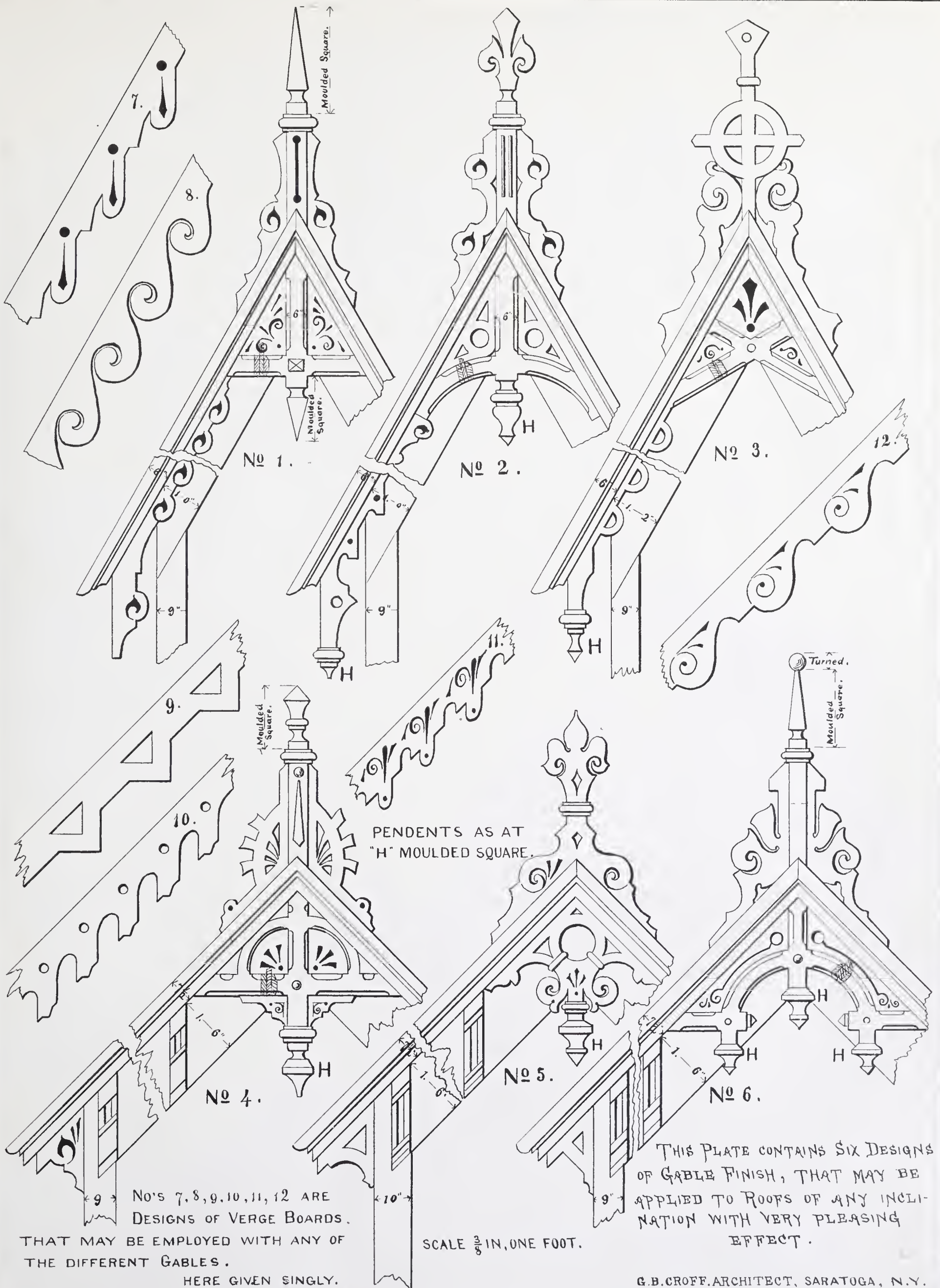
FIRST FLOOR PLAN.

G. B. CROFF, ARCH'T. SARATOGA, N.Y.



Design for an elegant and picturesque Villa prepared for execution on a slightly bluff at Saratoga Lake.
The Shadows are intense and the effect very striking.

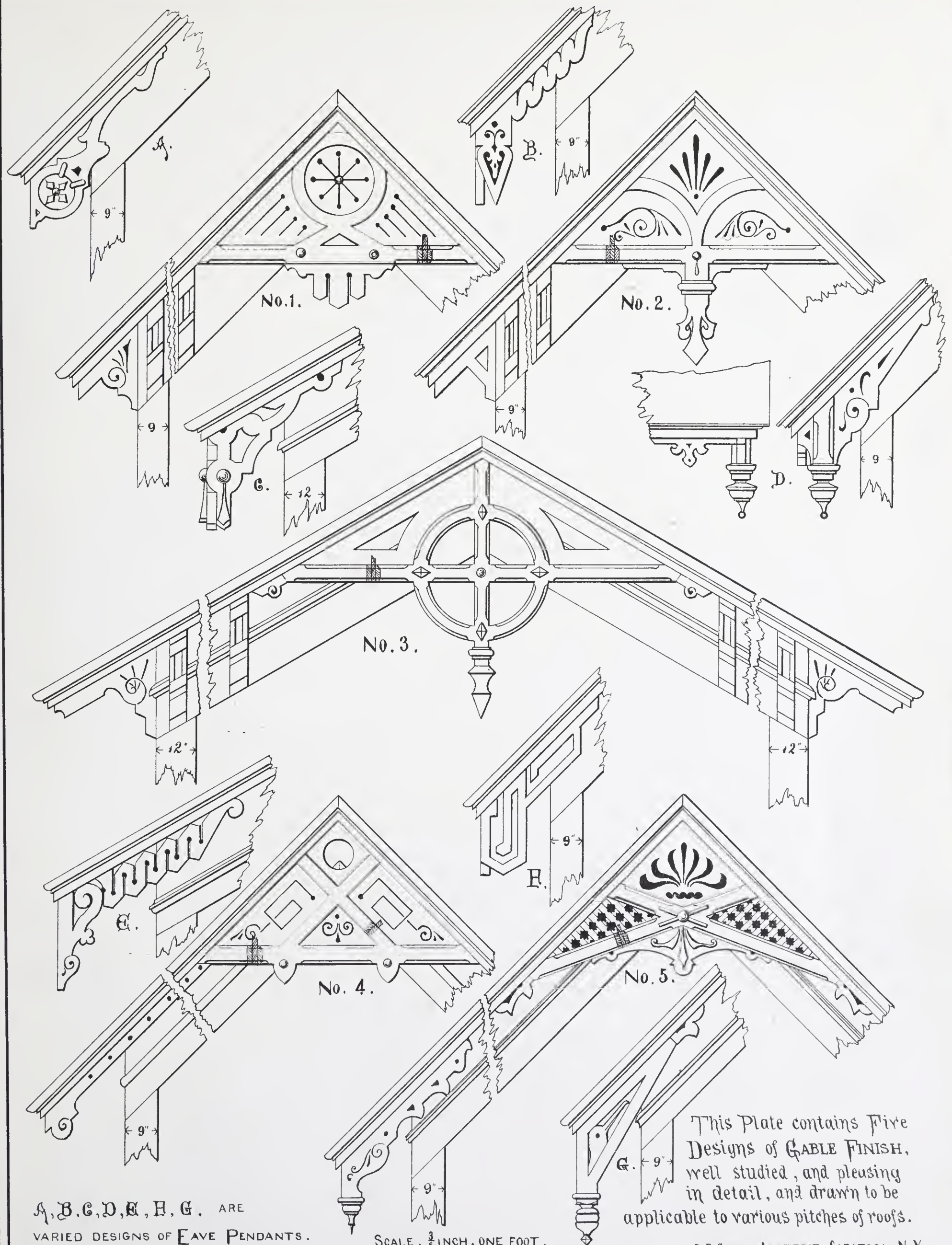
G. B. CROFF, ARCH'T.



No's 7, 8, 9, 10, 11, 12 ARE
DESIGNS OF VERGE BOARDS.
THAT MAY BE EMPLOYED WITH ANY OF
THE DIFFERENT GABLES.
HERE GIVEN SINGLY.

PENDENTS AS AT
"H" MOULDED SQUARE.

THIS PLATE CONTAINS SIX DESIGNS
OF GABLE FINISH, THAT MAY BE
APPLIED TO ROOFS OF ANY INCLI-
NATION WITH VERY PLEASING
EFFECT.

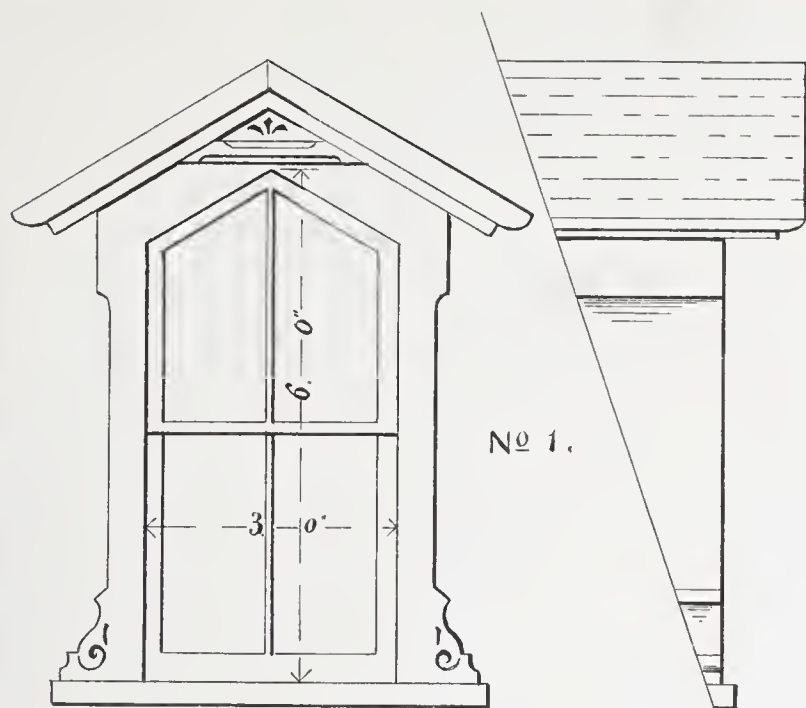


A, B, C, D, E, F, G, H. ARE
VARIED DESIGNS OF EAVE PENDANTS.

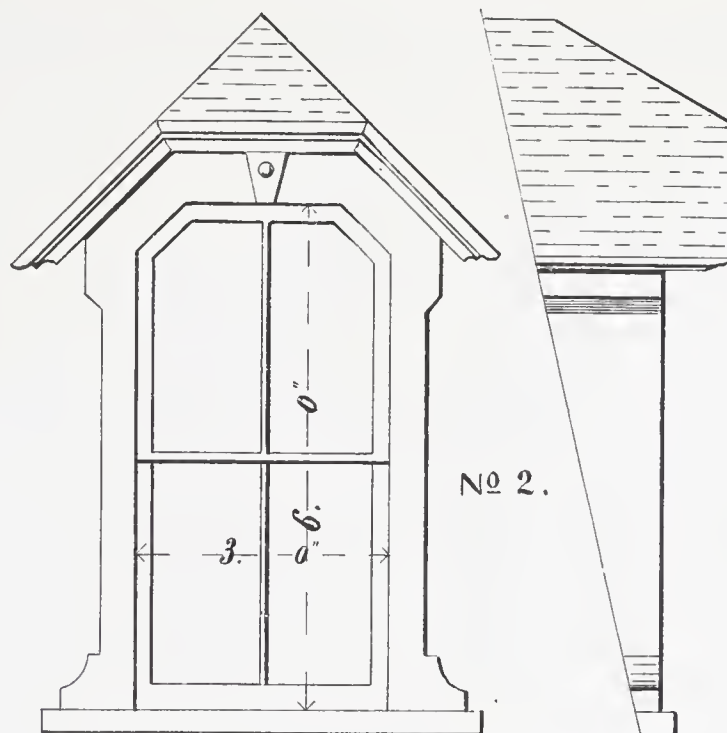
SCALE, $\frac{3}{8}$ INCH, ONE FOOT.

This Plate contains Five
Designs of GABLE FINISH,
well studied, and pleasing
in detail, and drawn to be
applicable to various pitches of roofs.

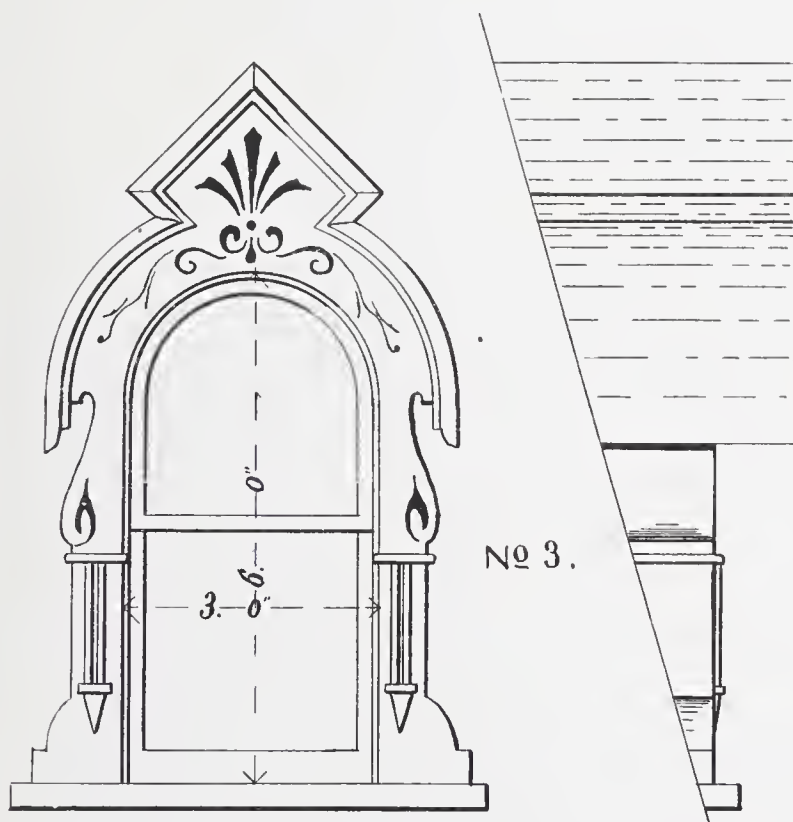
G. B. CROFF, ARCHITECT, SARATOGA, N. Y.



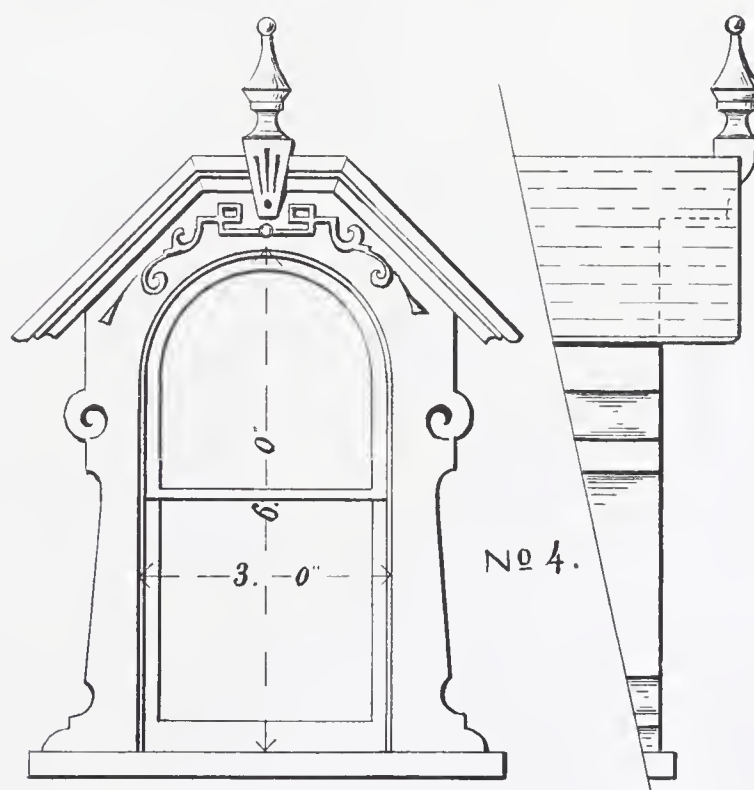
No 1.



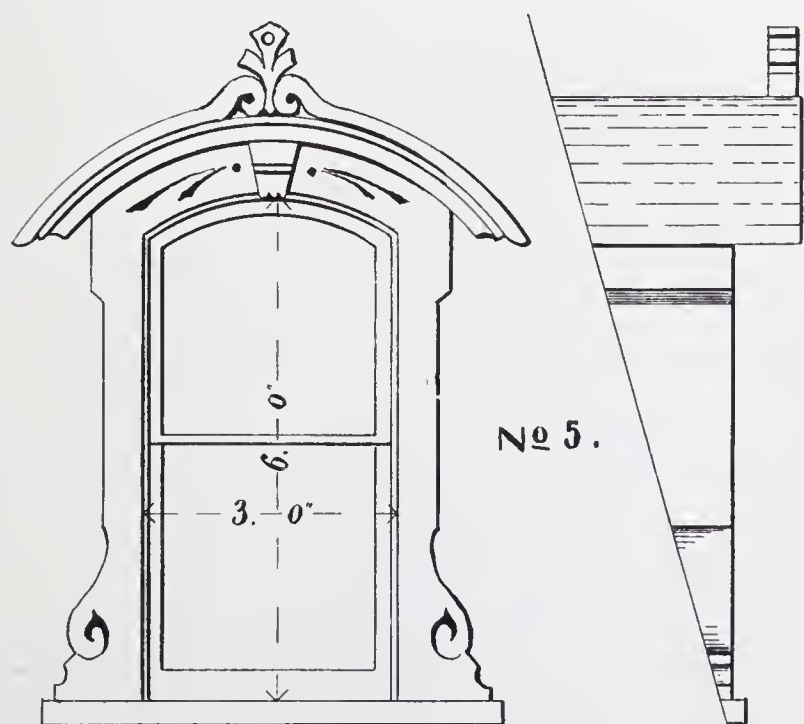
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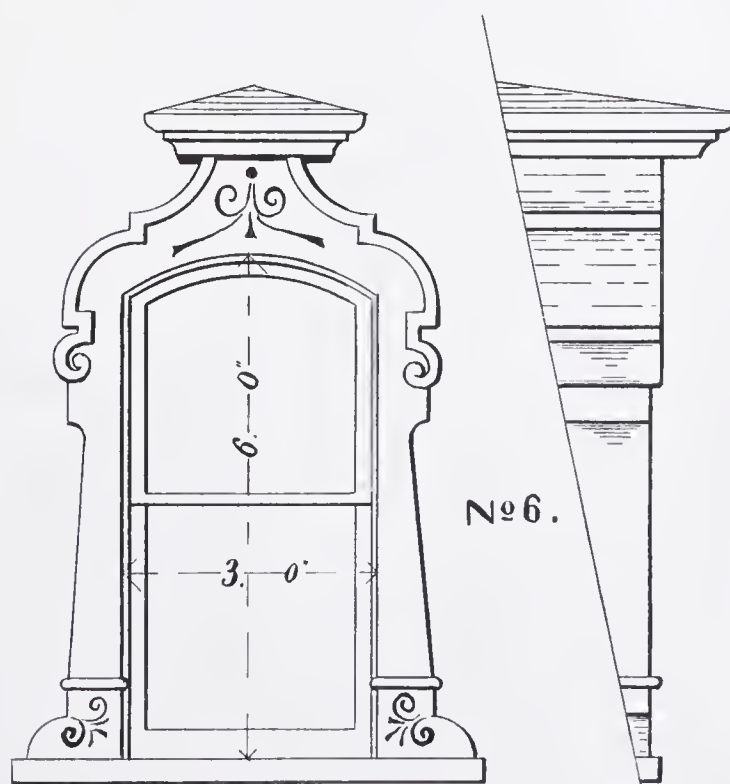
No 3.



No 4.

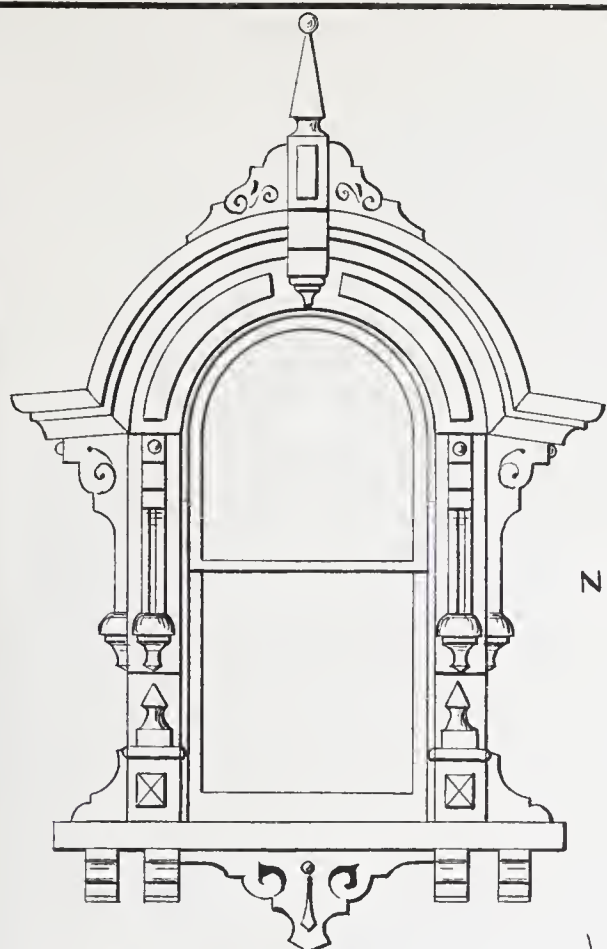


No 5.

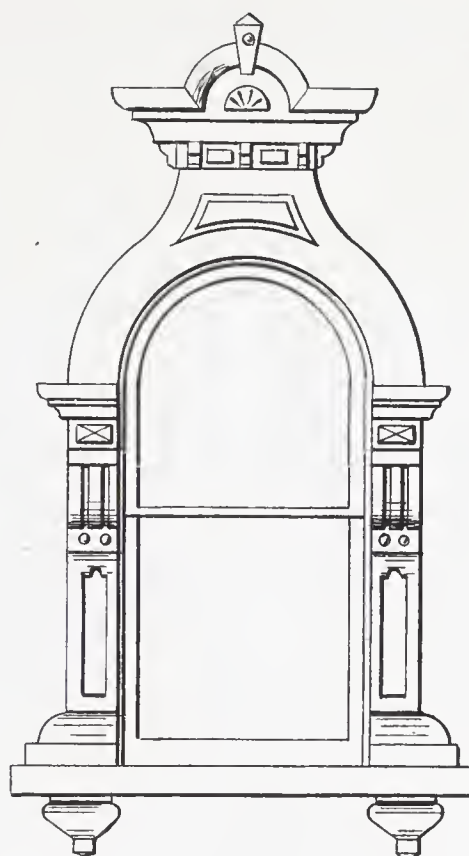
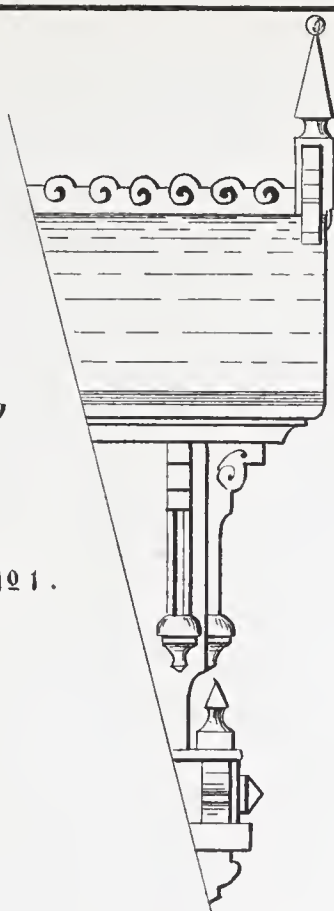


No 6.

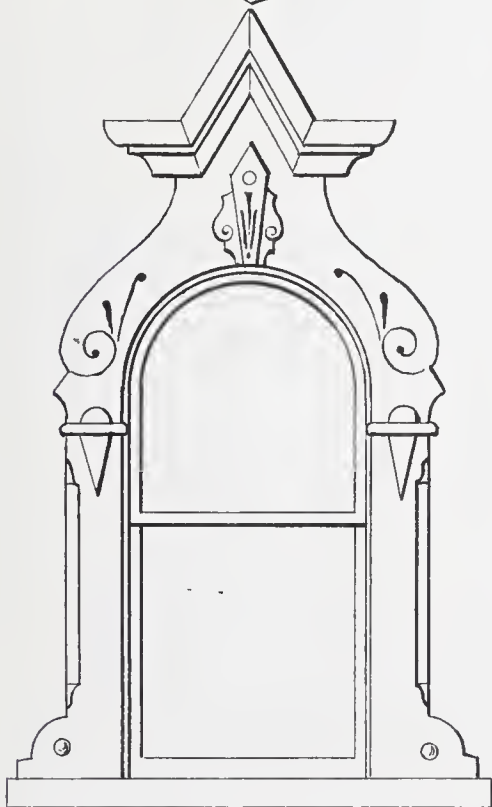
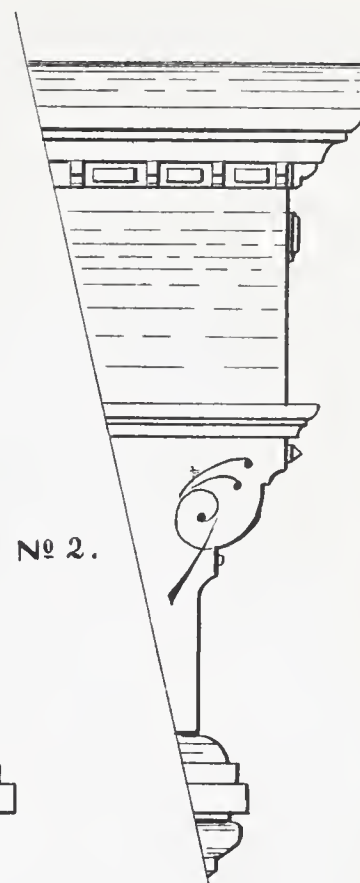
This Plate contains Six Designs of pleasing but inexpensive Dormer Windows } G.B.CROFF, ARCH'T,
that may be made to harmonize with Roofs of any inclination. Scale $\frac{3}{8}$ inch, one foot. } SARATOGA, N.Y.



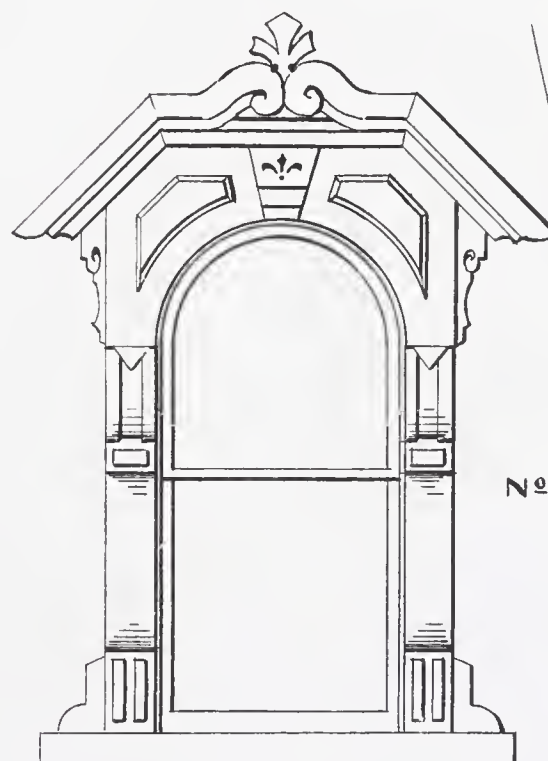
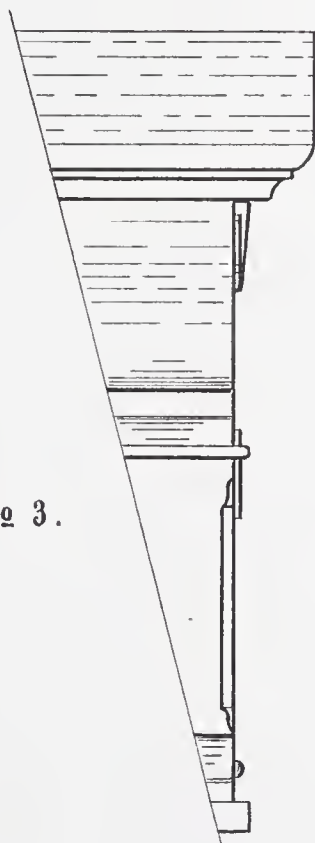
No 1.



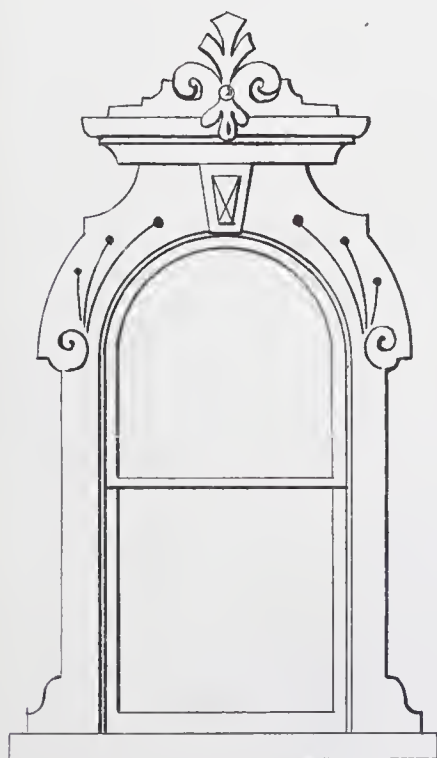
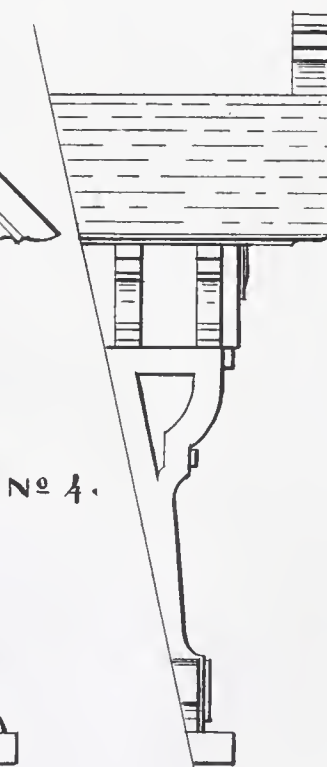
No 2.



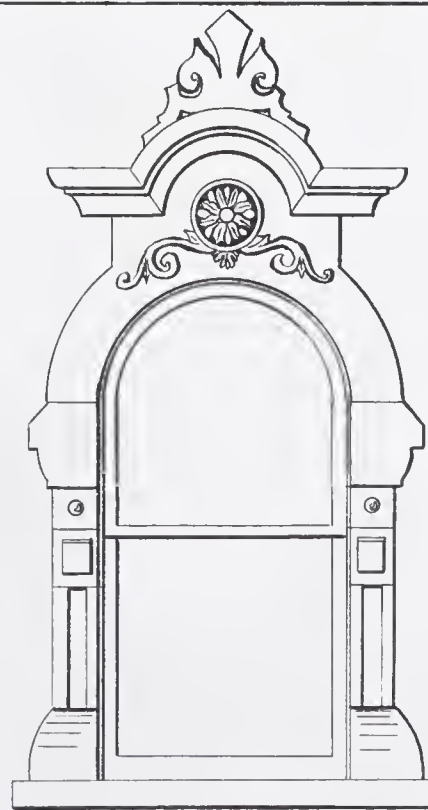
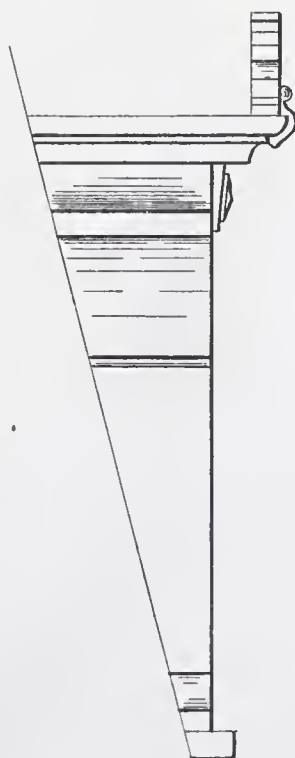
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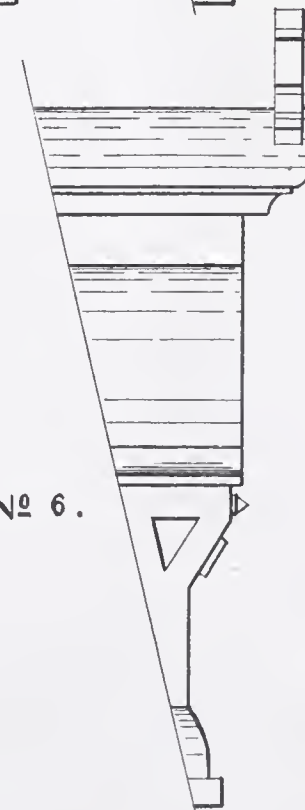
No 4.



No 5.



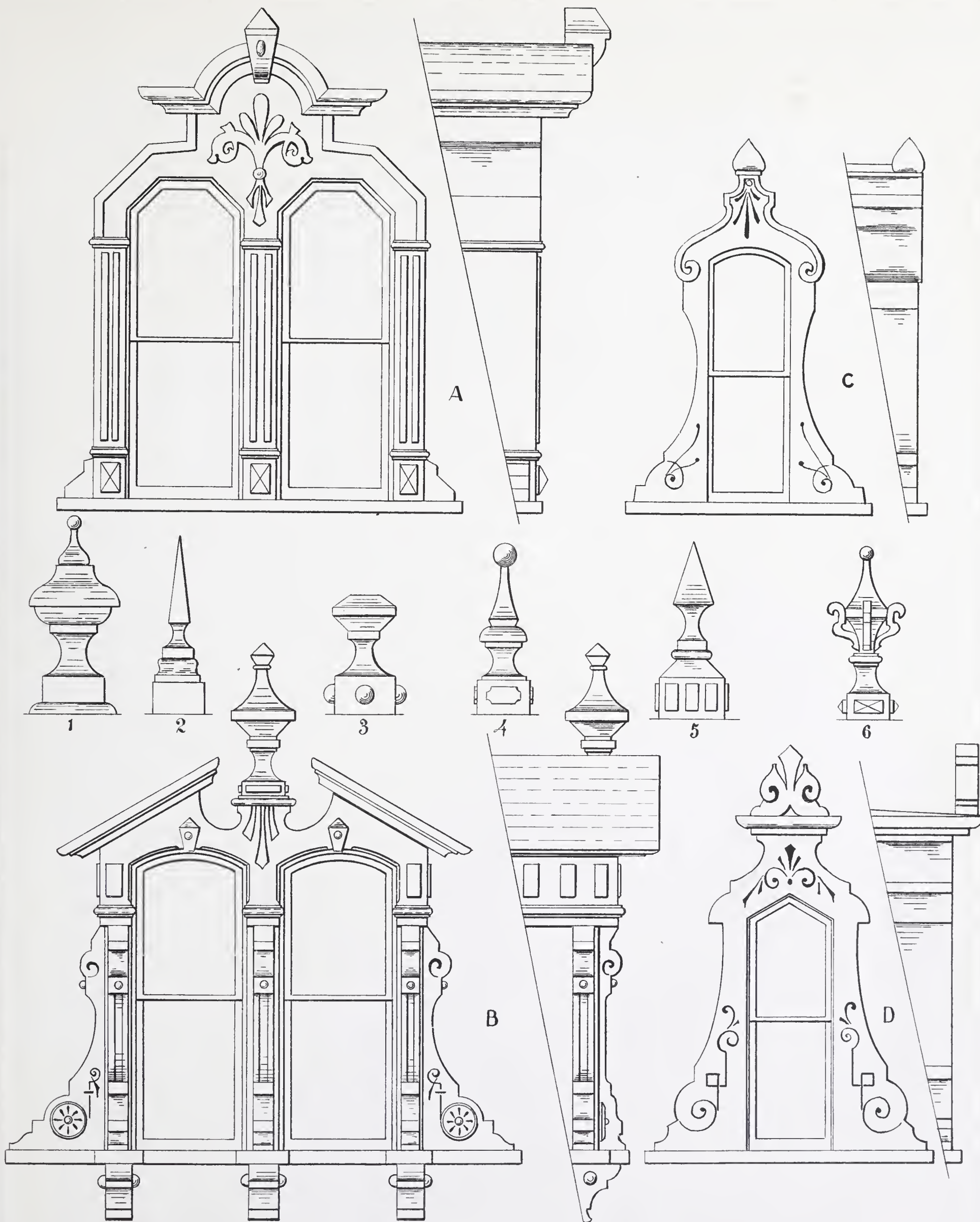
No 6.



Scale :
 $\frac{3}{8}$ Inch ;
 One foot .

This Plate contains Six Designs for Dormer Windows,
 of rather an elaborate character, appropriate for a fine class of Dwellings.

G.B. CROFF, ARCH'T. SARATOGA, N.Y.



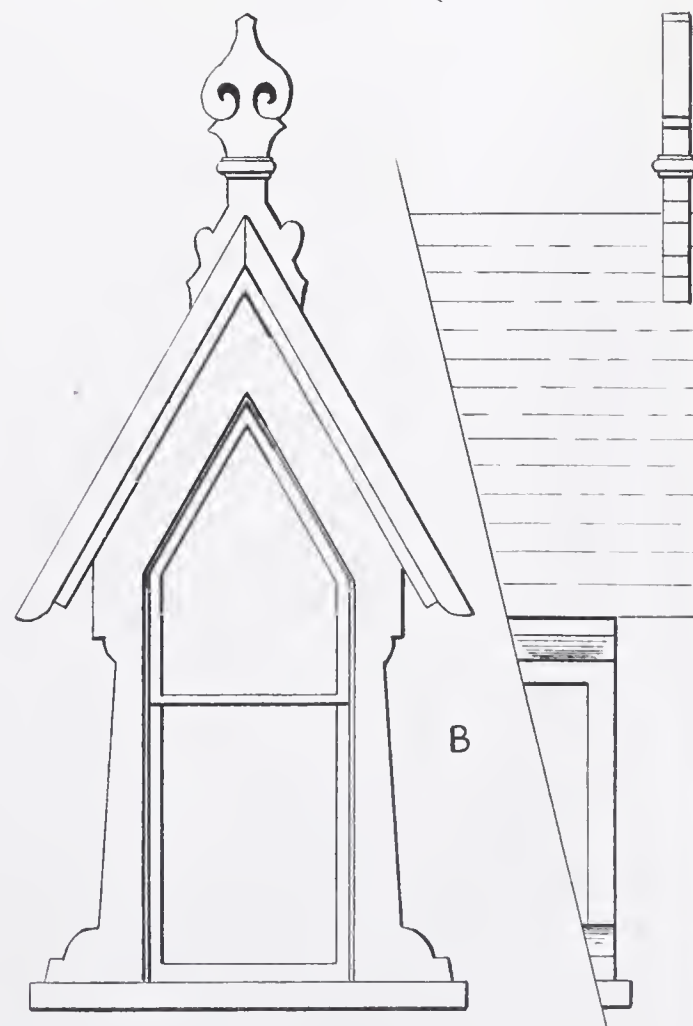
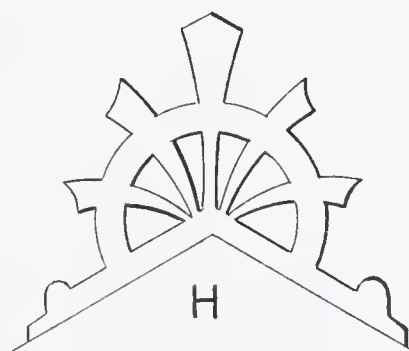
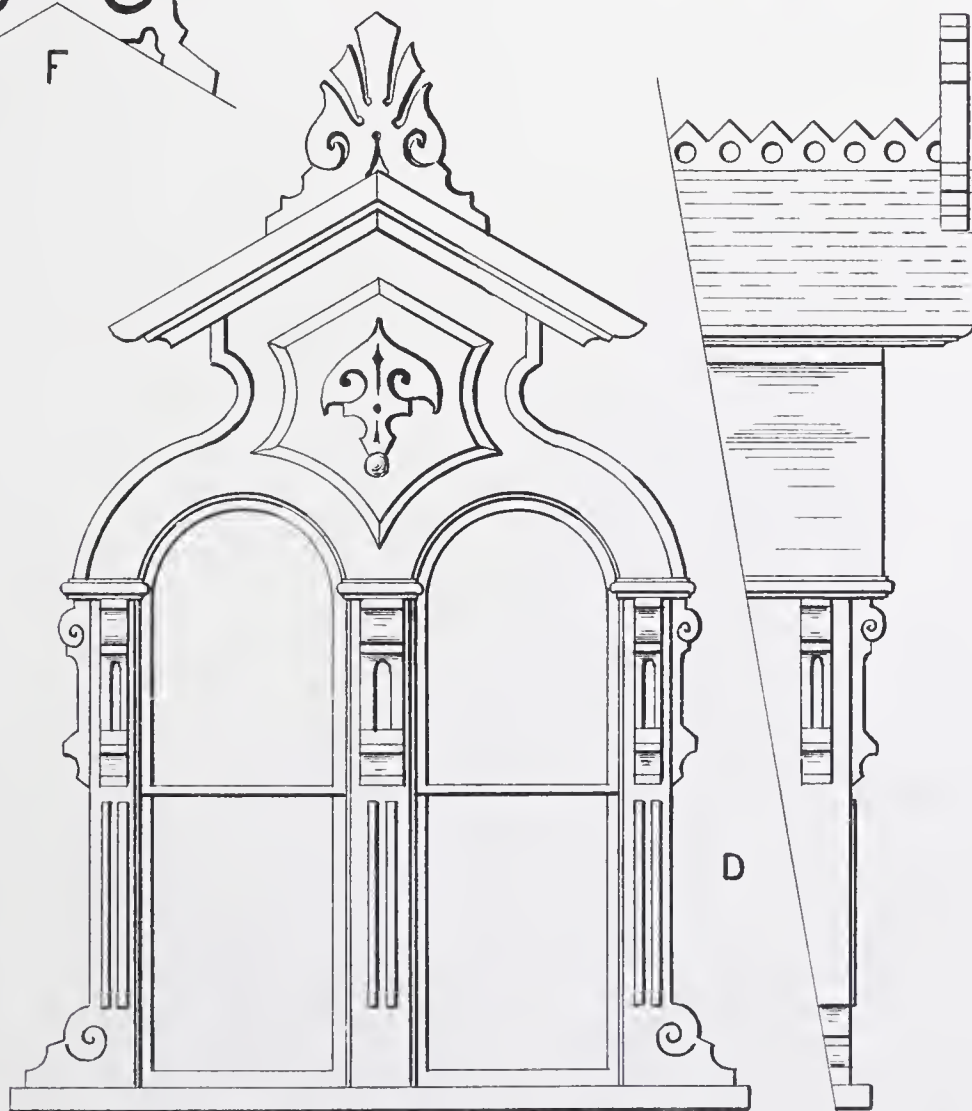
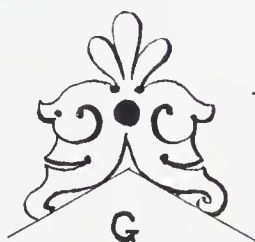
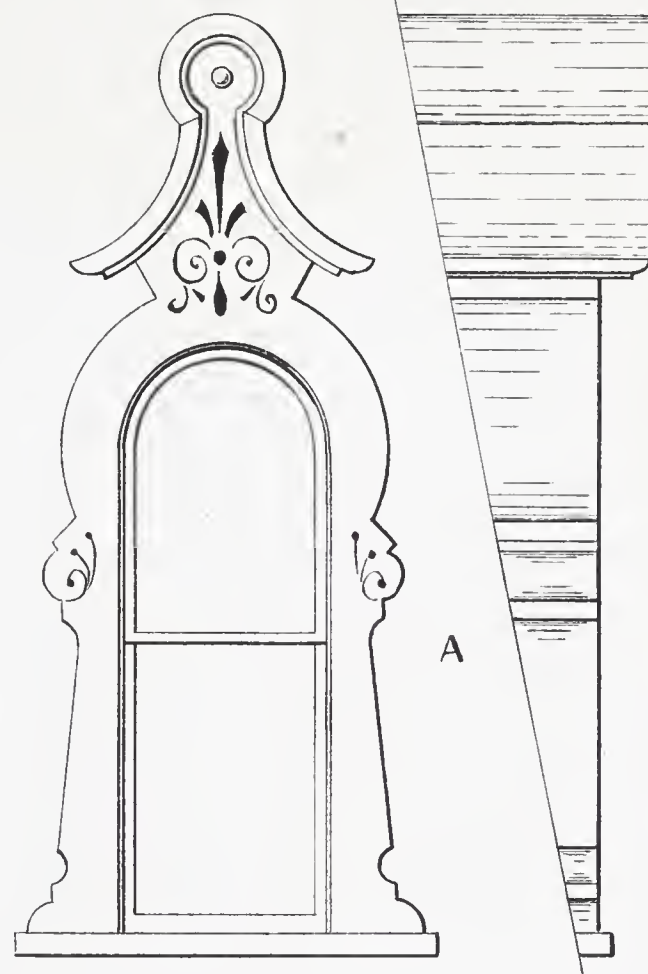
A and B are Double Windows for Mansard Roofs.

C and D are Single Windows, especially adapted for lofty roofs of Bay Windows, to produce variety with others less ornamented.

1, 2, 3, 4, 5, 6 are Urns, for Window Tops, Pedestals, &c, and may be moulded square, or turned.

Scale, $\frac{3}{8}$ inch, one foot.

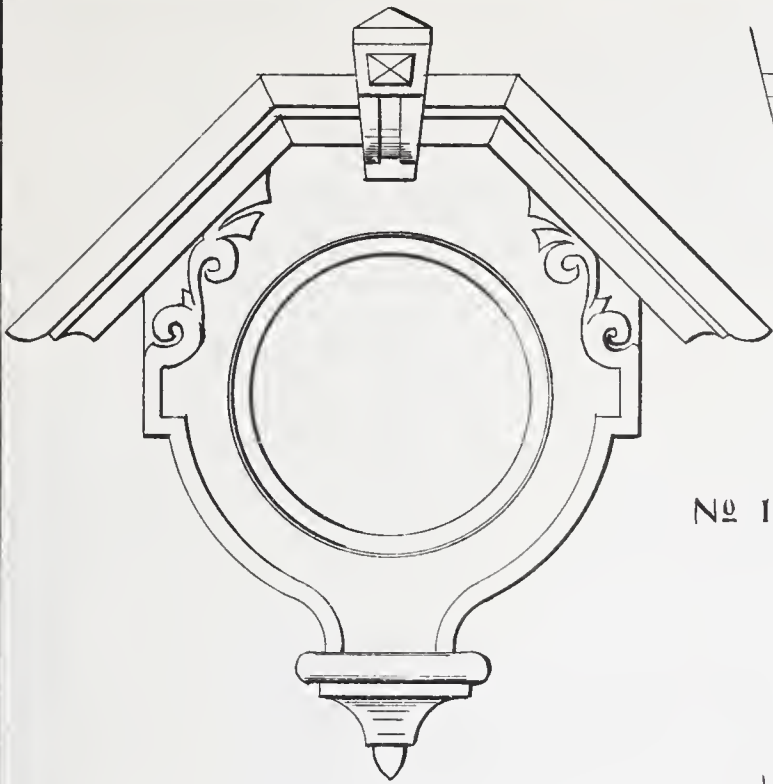
G. B. CROFF, ARCH'T. SARATOGA, N. Y.



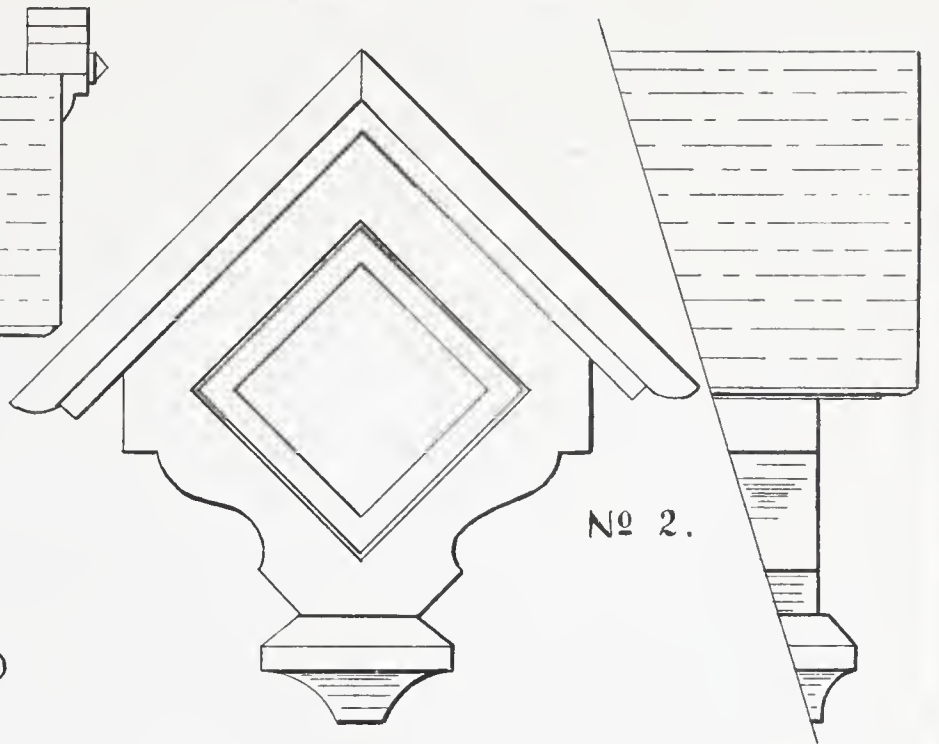
Scale
 $\frac{3}{8}$ inch
 one foot.

A and B are single Windows to be employed in picturesque Bay Window Roofs.
 C and D are double Windows for Mansard Roofs, and may be employed in connection with Single
 dormers with good effect. E, F, G, H, are scrolls for Dormers.

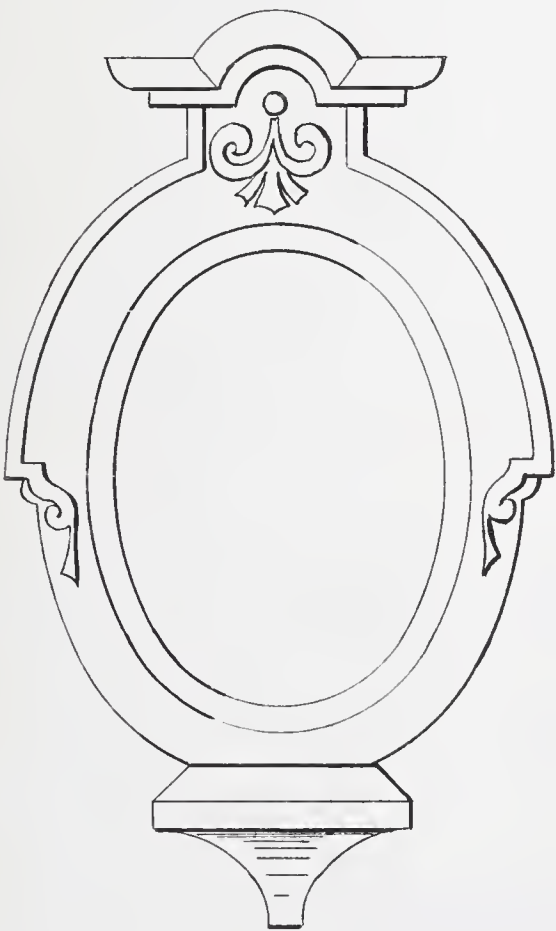
G. B. CROFF, ARCH'T, SARATOGA, N.Y.



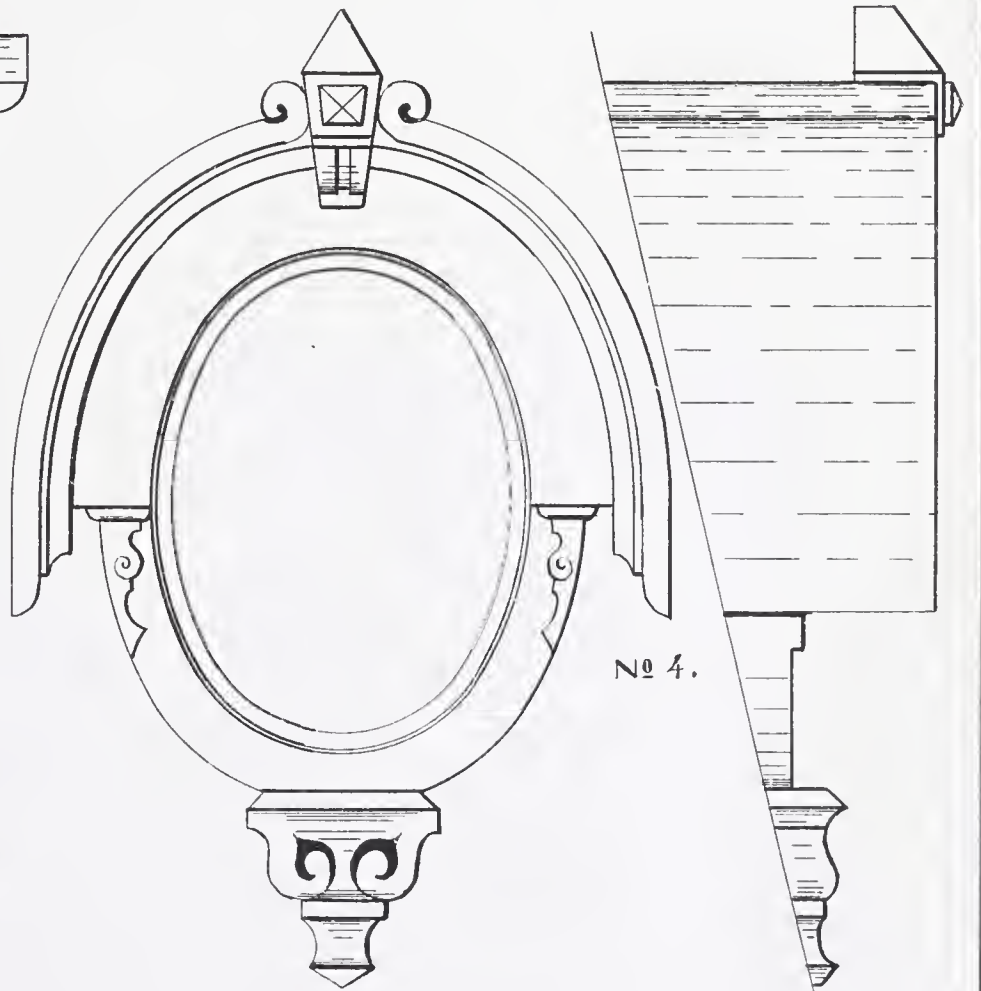
No 1.



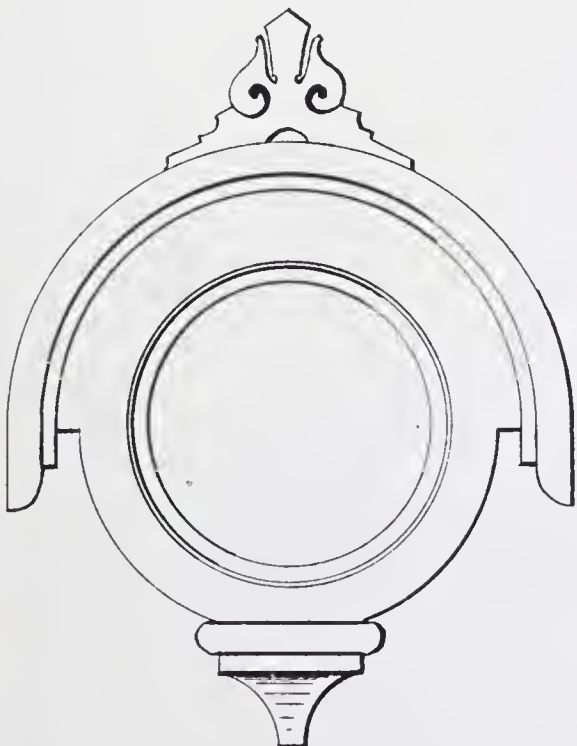
No 2.



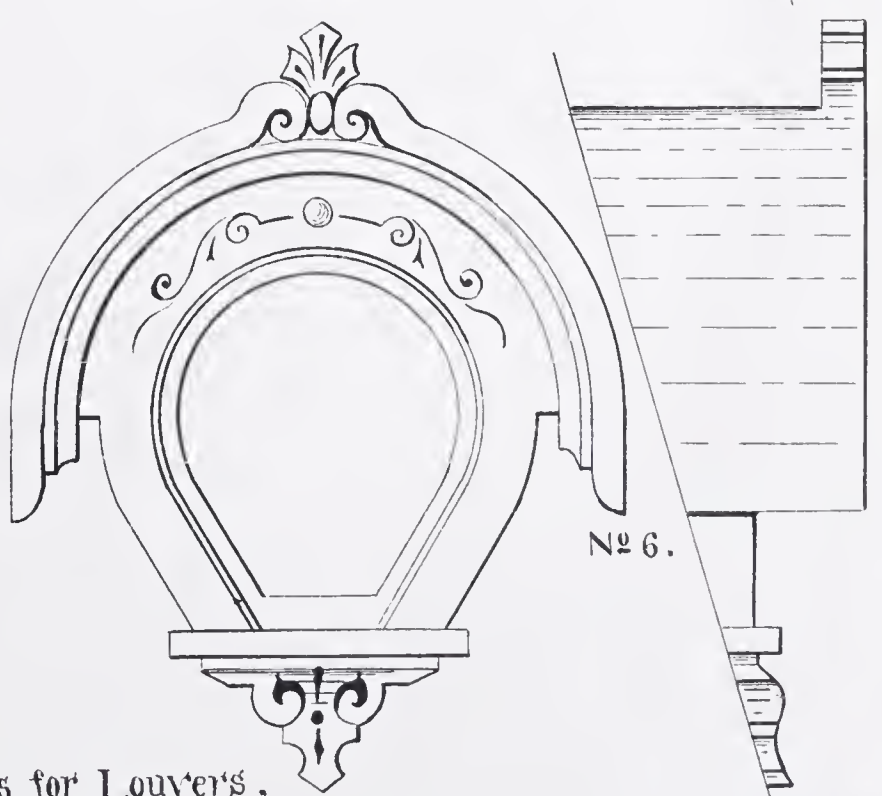
No 3.



No 4.



No 5.

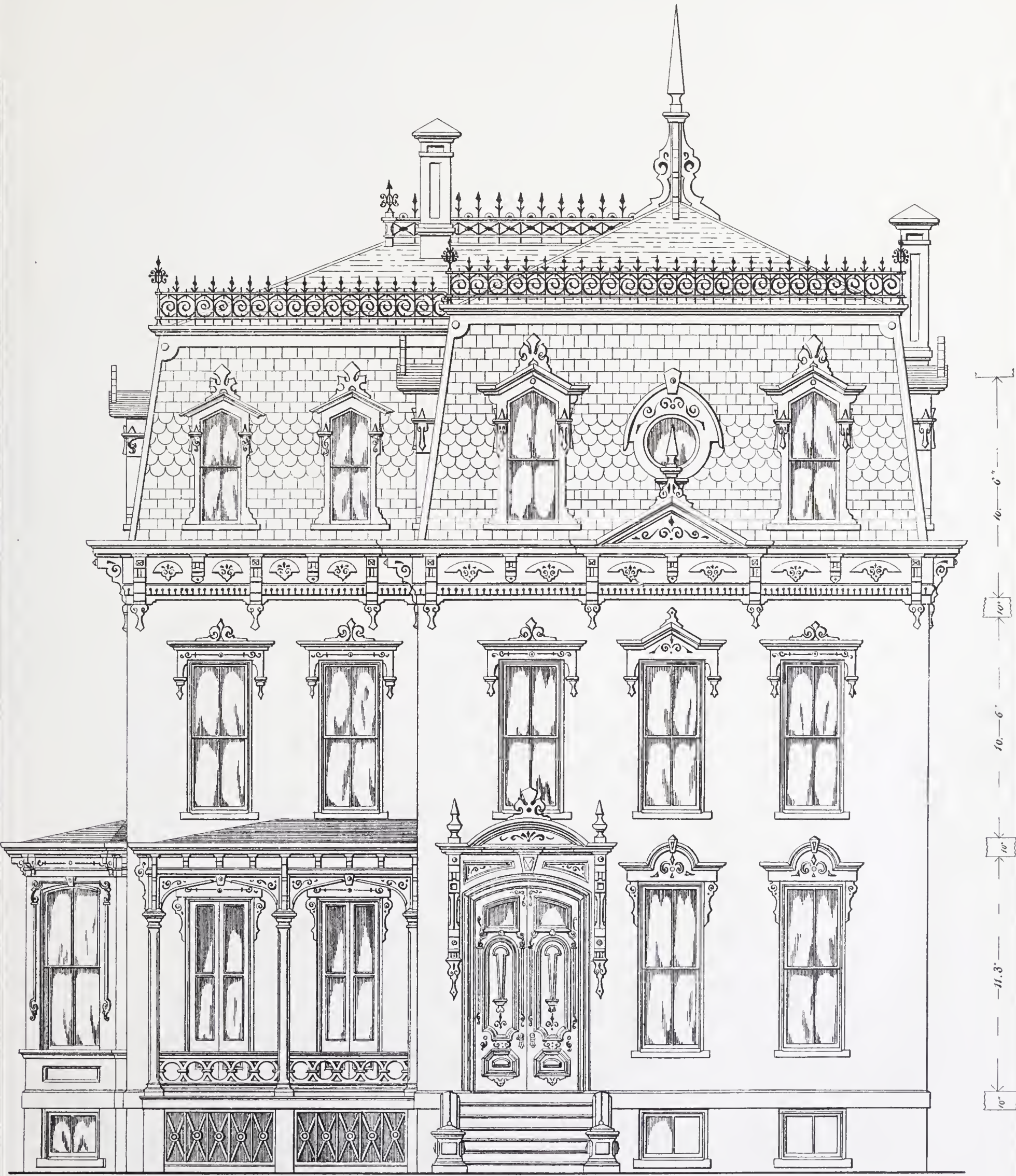


No 6.

Scale, $\frac{1}{4}$ inch, one foot.

This Plate contains Six Designs for Louvers,
for roofs of Towers, Bay Windows, &c.

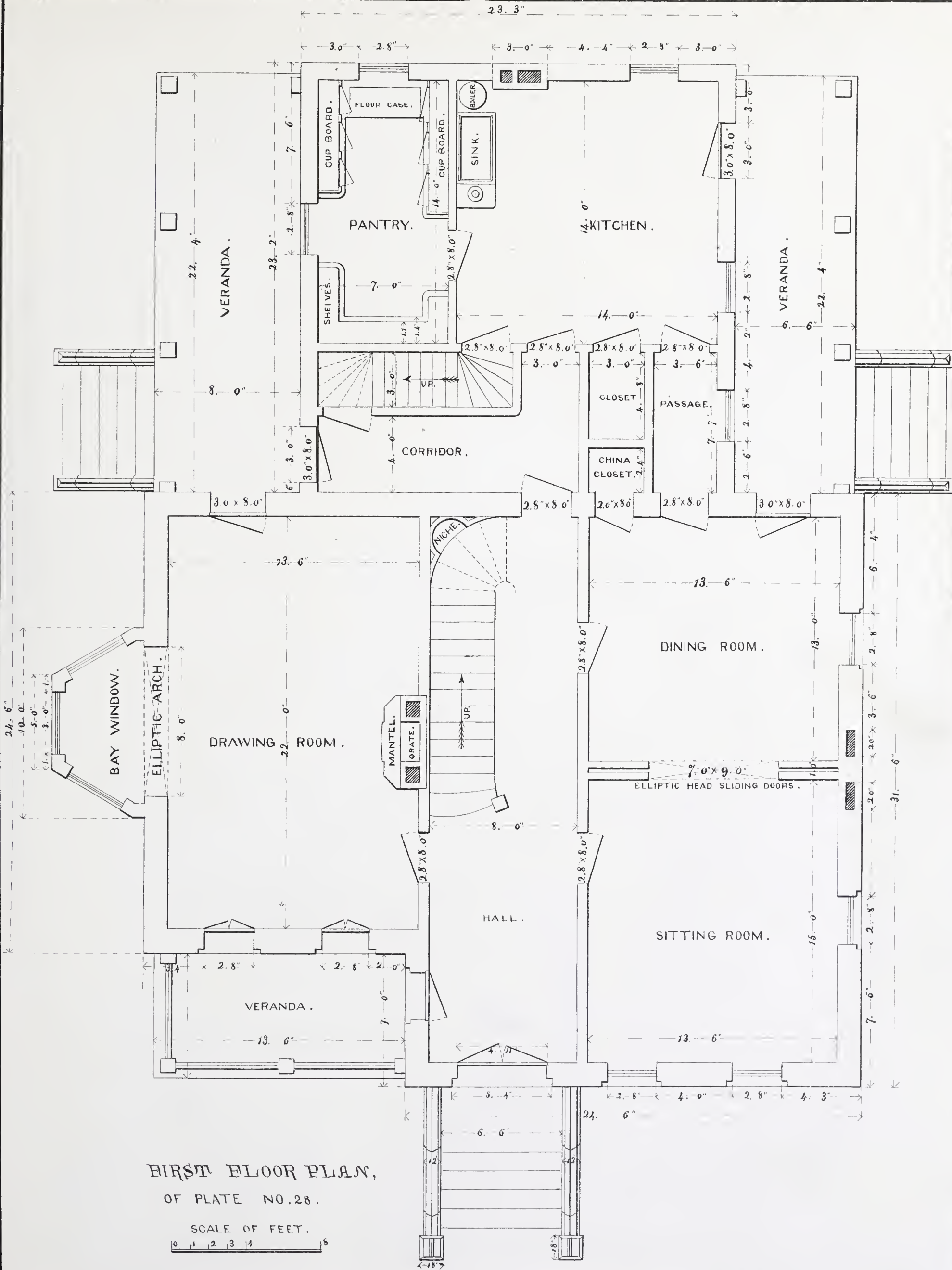
G.B.Croff, Arch't. SARATOGA, N.Y.



FRONT ELEVATION OF RESIDENCE
ERECTED IN BURLINGTON. VT.

SCALE OF FEET .
10 2 3 4 8 12

G. B. CROFF. ARCH'T. SARATOGA. N. Y.



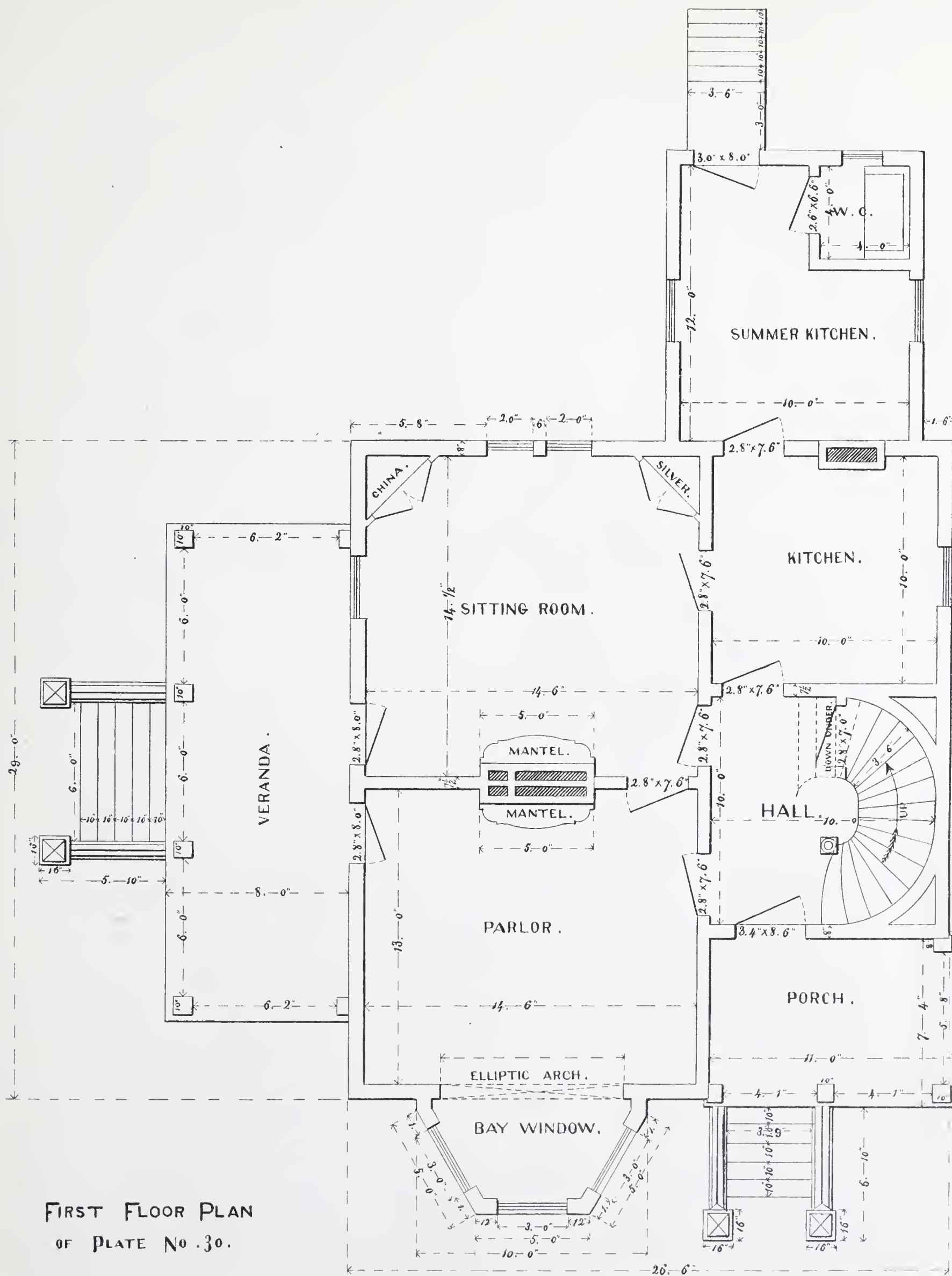


A PICTURESQUE COTTAGE ,
EXECUTED in the environs of PHILADELPHIA .

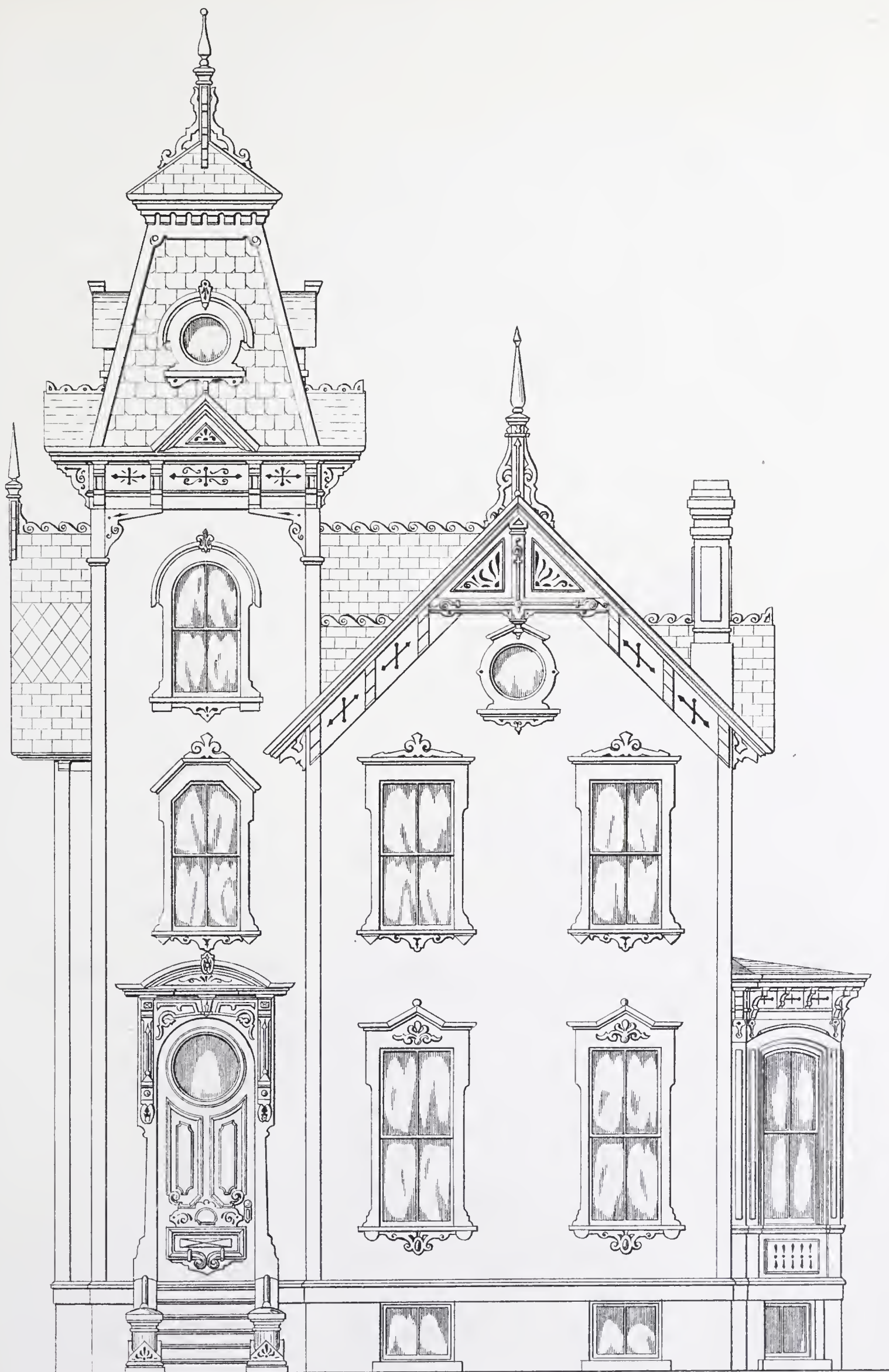
Scale of Feet .

10 1 2 3 4 5 8

G. B. Croff, Architect . SARATOGA . N. Y.



FIRST FLOOR PLAN
OF PLATE NO. 30.



ELEVATION OF RESIDENCE
OF SUITABLE DESIGN FOR ERECTION IN A VILLAGE

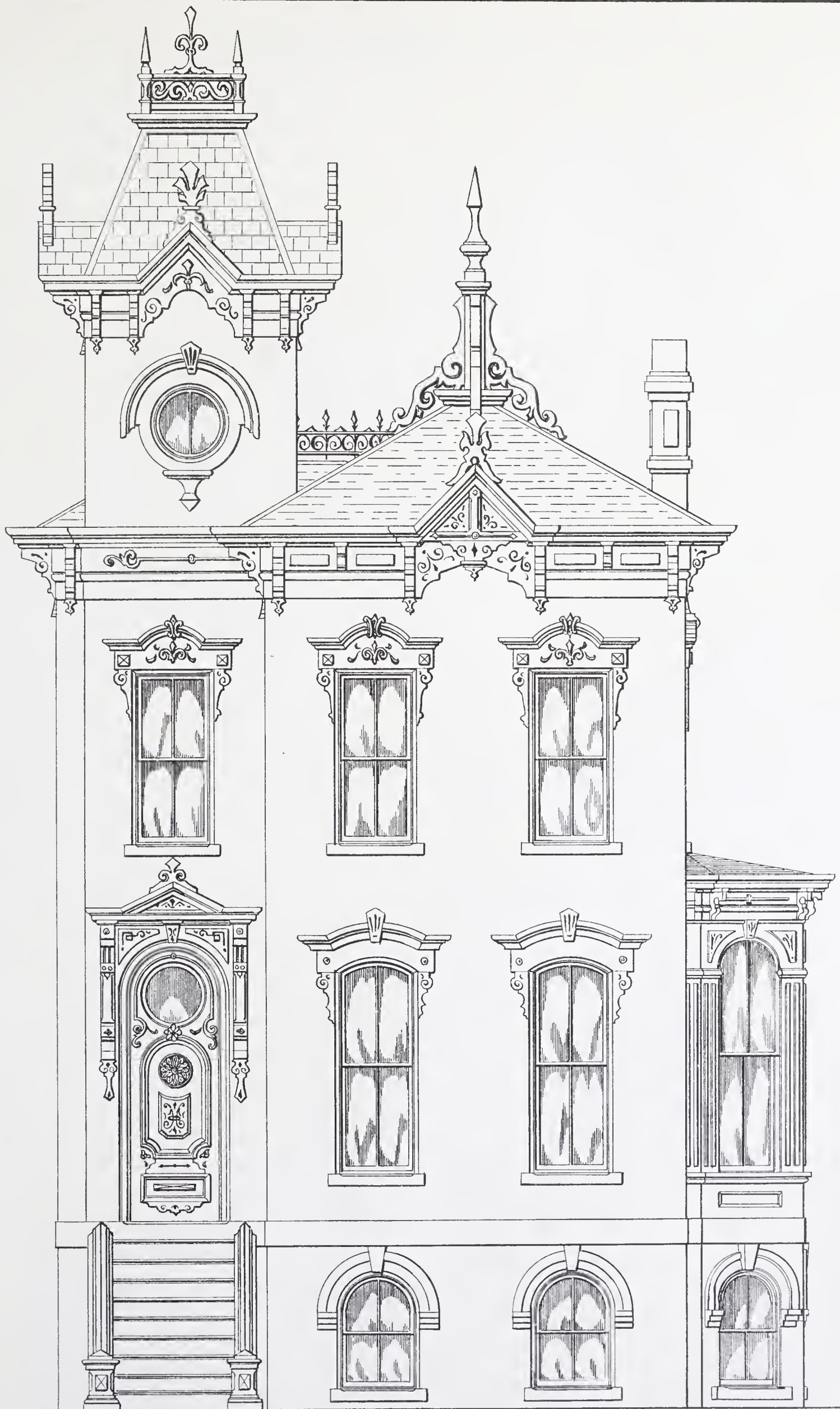
SCALE, $\frac{3}{16}$ INCH, ONE FOOT.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.



Scale of Feet .





8'
10' 6"
11' 6"
10'
8' 0"

FRONT ELEVATION OF RESIDENCE, PREPARED FOR ERECTION

Scale of Feet . 0 1 2 3 4 8

AT DECATUR, ILL.

G.B. CROFF, ARCH'T, SARATOGA, N.Y.

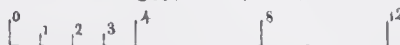




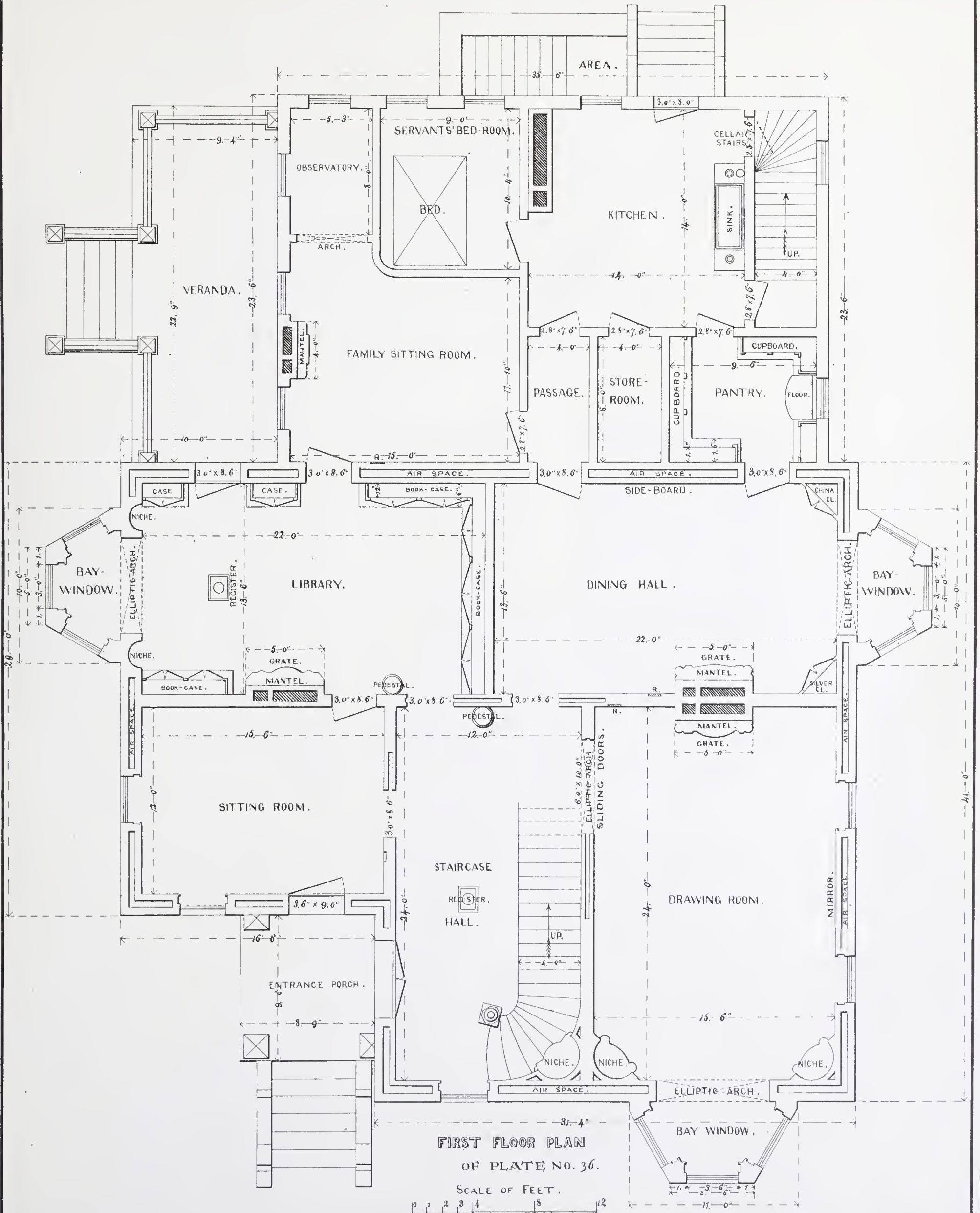
A COSTLY RESIDENCE ERECTED AT PHILMONT, N.Y.

The Interior is finished in black walnut, decorated with engraved gilding, of elaborate patterns. The frescoes are of the highest order of artistic conception. The house is a little palace, and attracts much attention.

Scale of Feet.



G.B. CROFF, ARCHITECT, SARATOGA, N.Y.

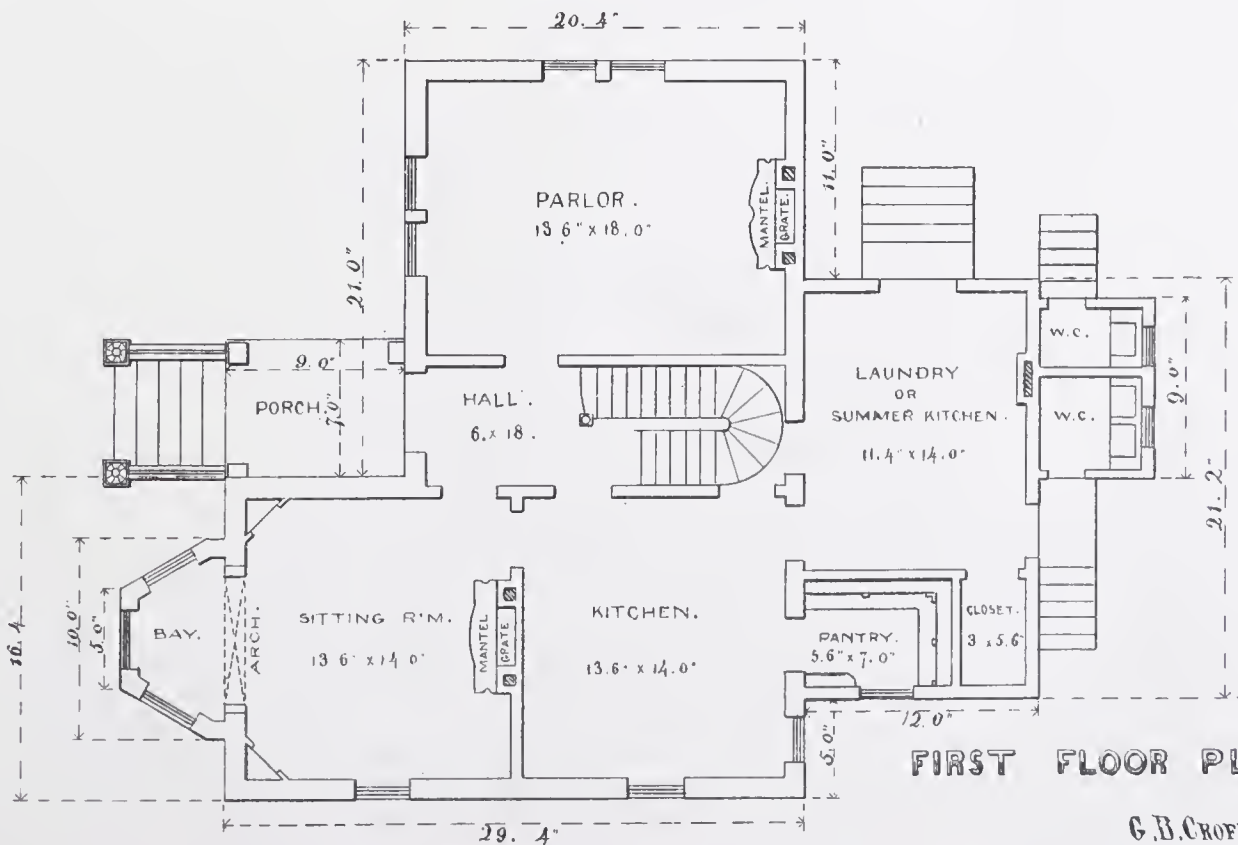




Gothic Cottage erected in Saratoga Springs, N. Y.

Executed in brick.

Scale of Feet.
0 1 2 3 4 5 6 7 8



FIRST FLOOR PLAN.

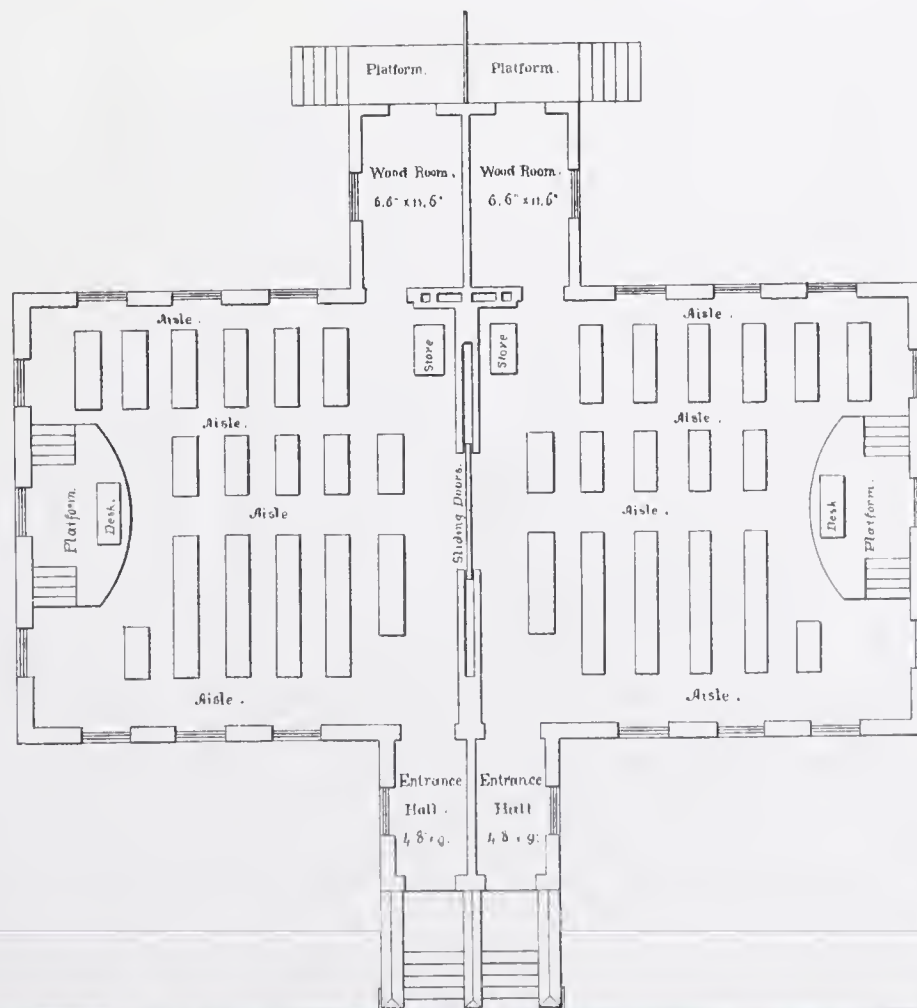
Scale of Feet.
0 1 2 3 4 5 6 7 8 9 10 11 12

G. B. Croff, ARCH'T., SARATOGA, N. Y.



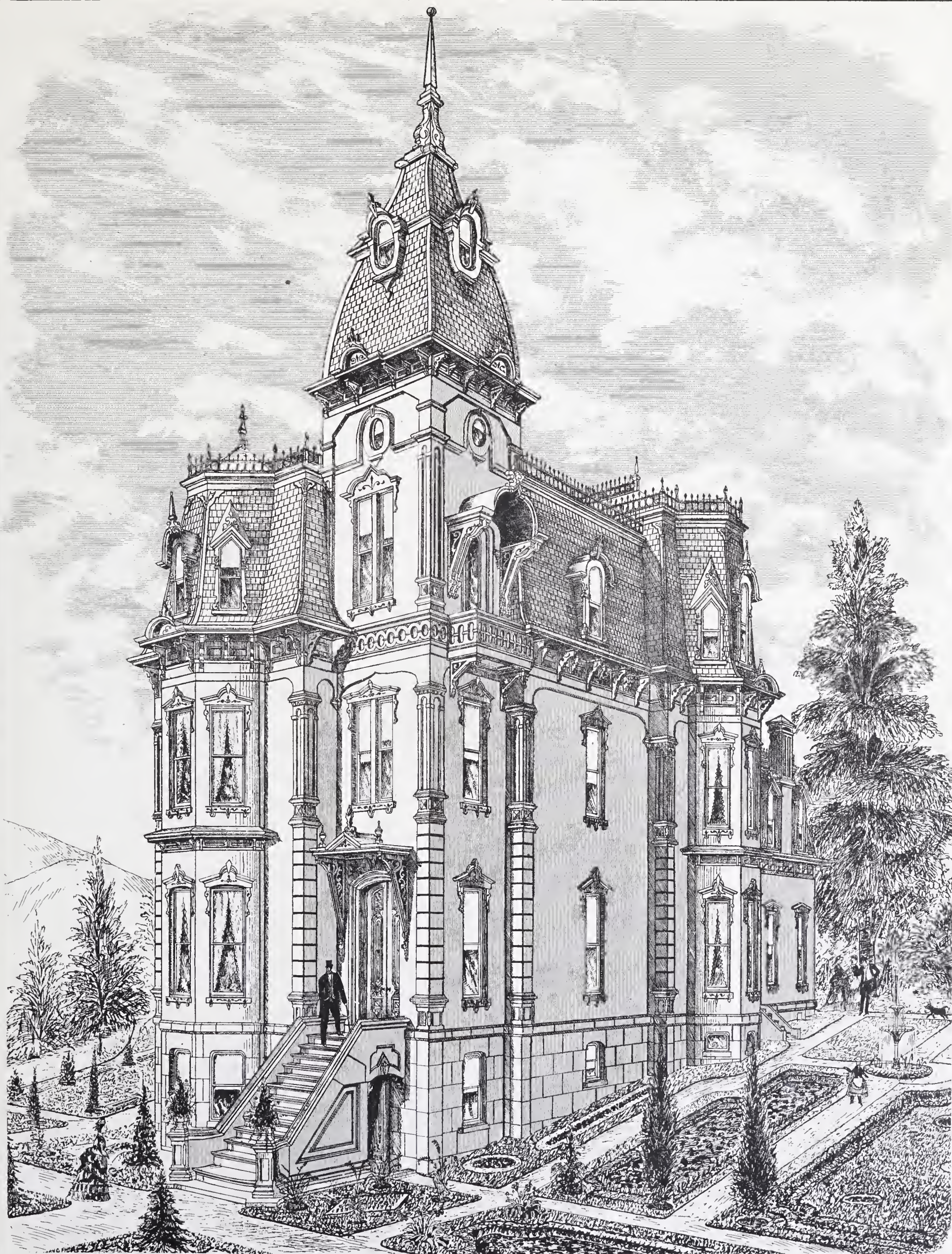
A SCHOOLHOUSE, ERECTED IN SCHUYLERVILLE. N.Y.
EXECUTED IN BRICK.

Scale of Feet.
0 1 2 3 4 5 6



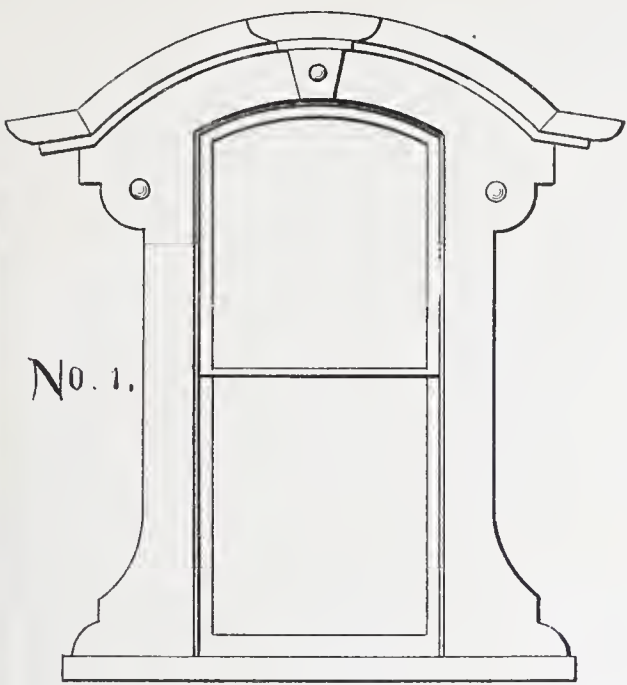
Scale of Feet.
0 1 2 3 4 5 12

G.B. CROFF, ARCHITECT, SARATOGA, N.Y.

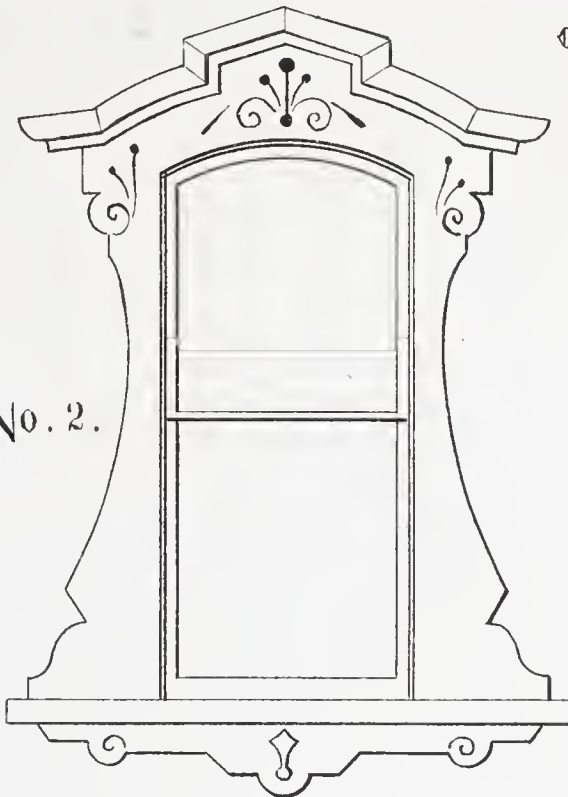


Design for a stately and imposing Villa, prepared for execution on Mount Royal in the City of Montreal, Canada, commanding a fine View of the St. Lawrence River and the Victoria Tubular Bridge.

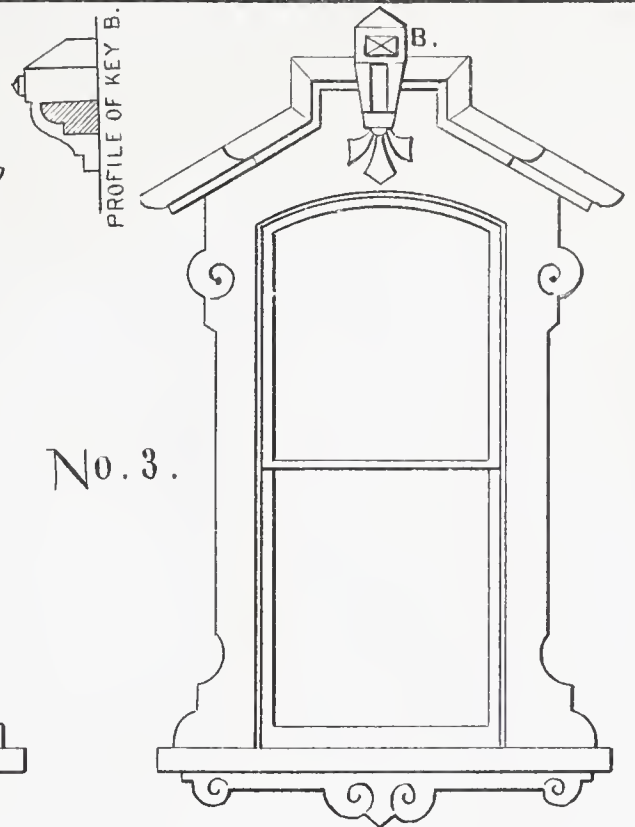
G. B. Croff, Archt. Saratoga . N. Y.



No. 1.

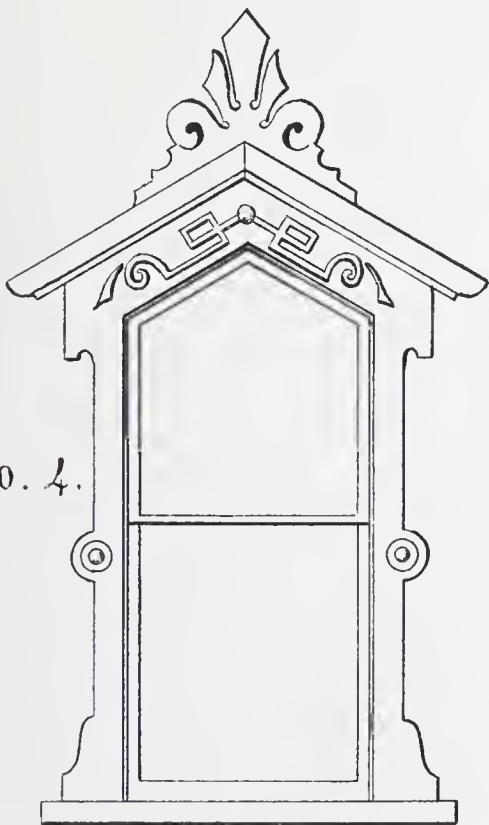


No. 2.

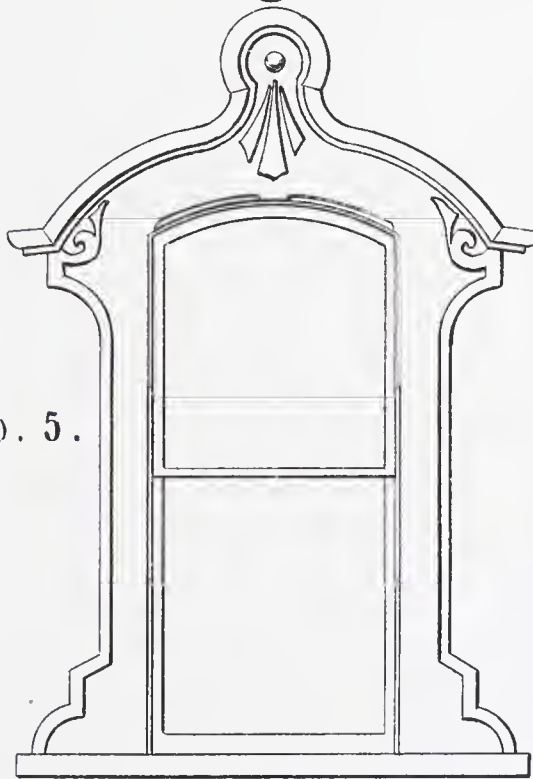


No. 3.

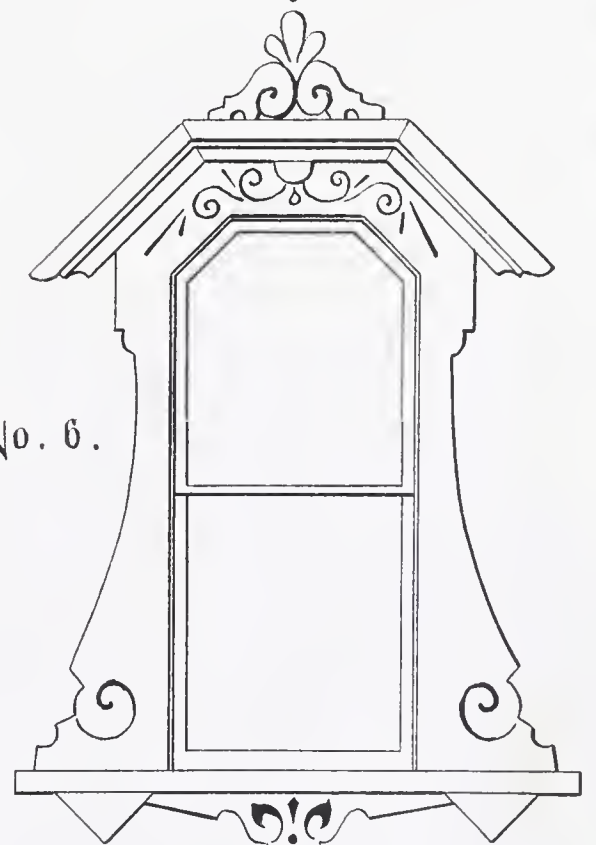
PROFILE OF KEY B.



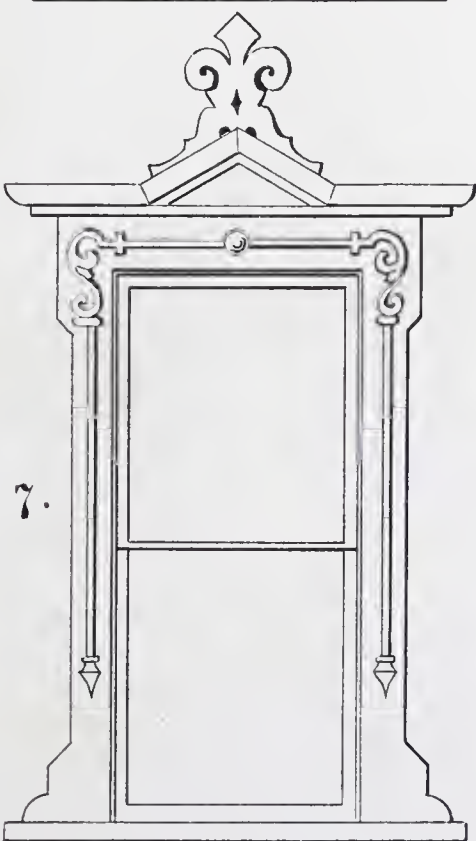
No. 4.



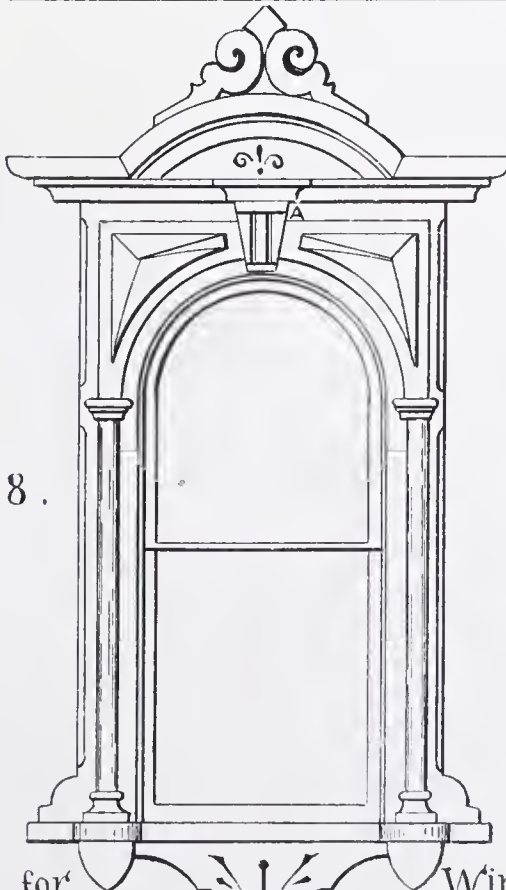
No. 5.



No. 6.

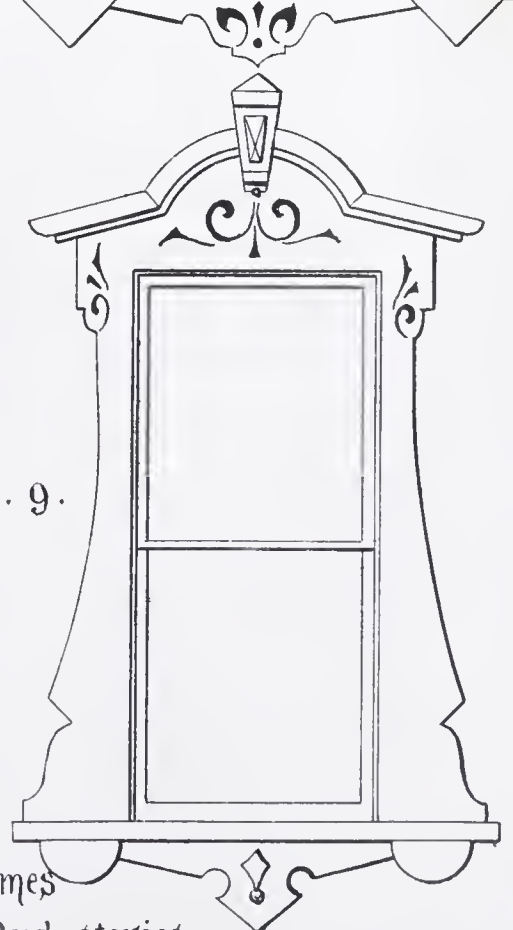


No. 7.



No. 8.

PROFILE OF KEY A.

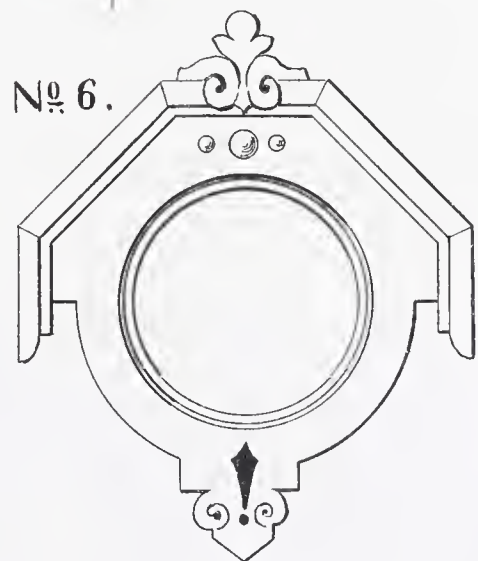
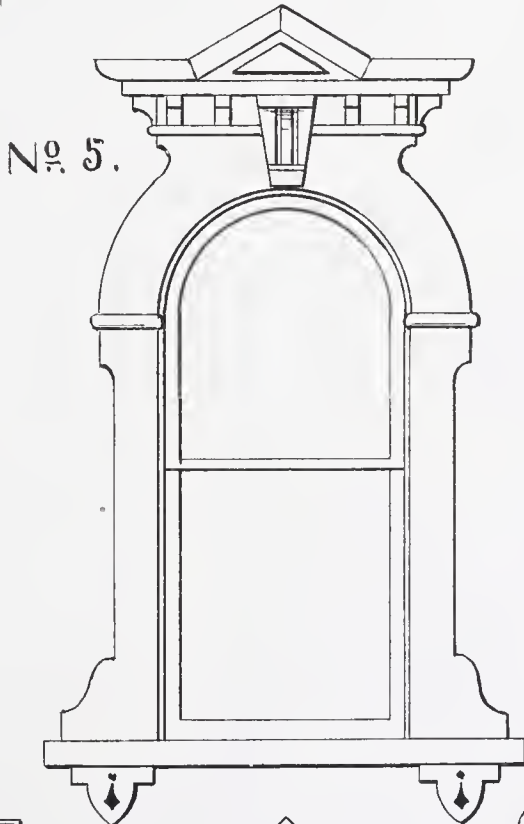
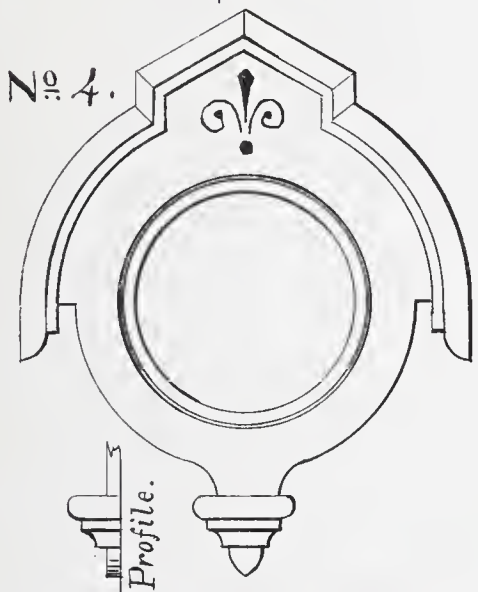
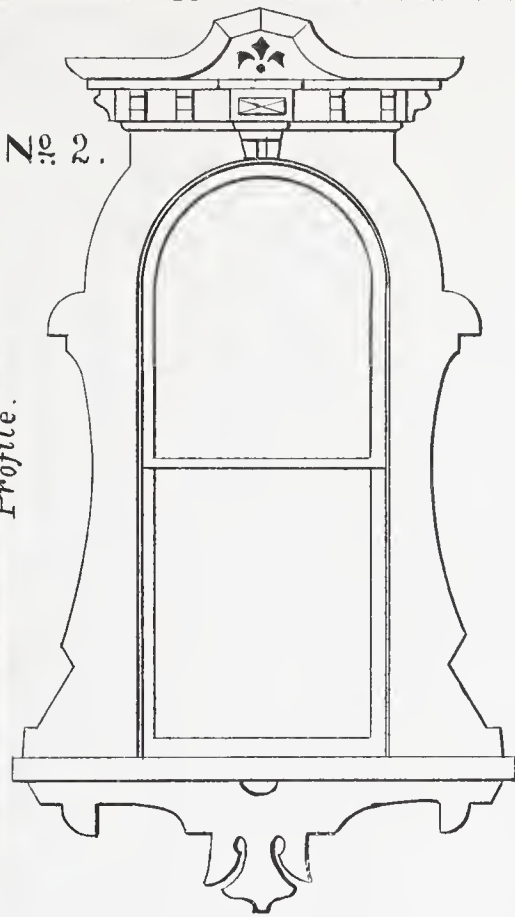
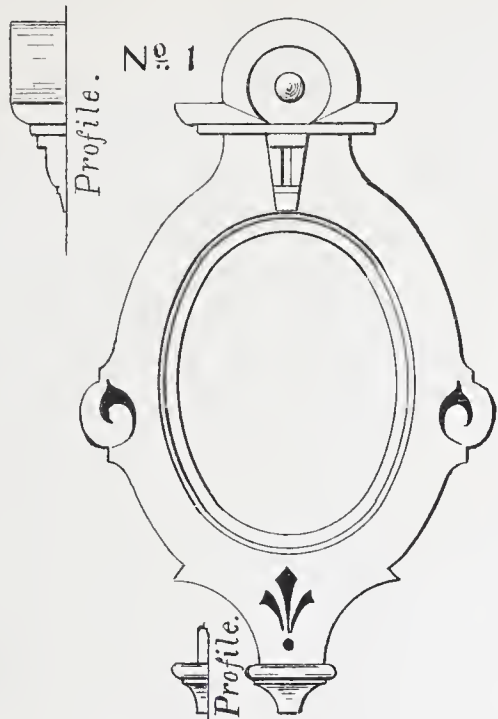


No. 9.

This Plate contains Nine Designs for Window Frames and Caps, to be executed in wood, set in vertical walls of 1st and 2nd stories. The stool pendent adds grace to the general design, and may be employed upon them all, with good effect.

SCALE. $\frac{3}{8}$ INCH, ONE FOOT.

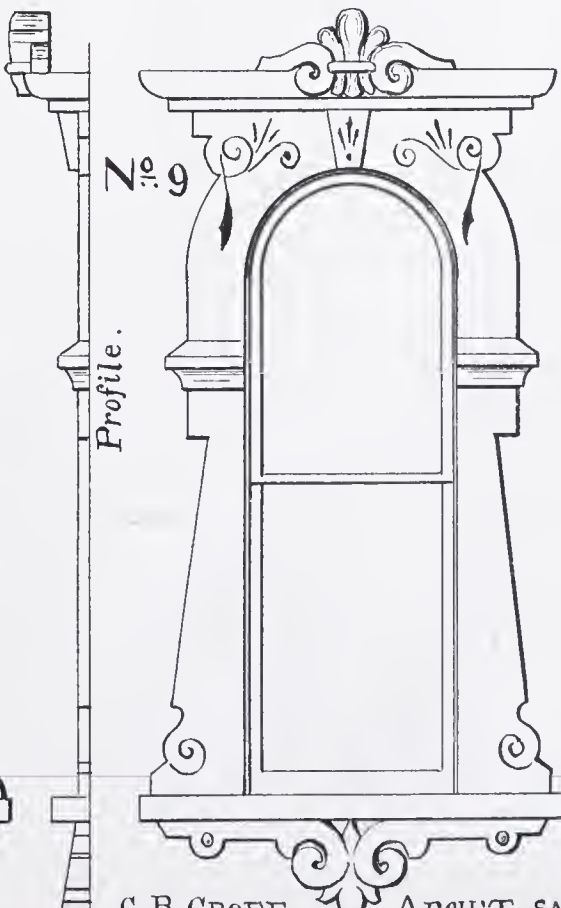
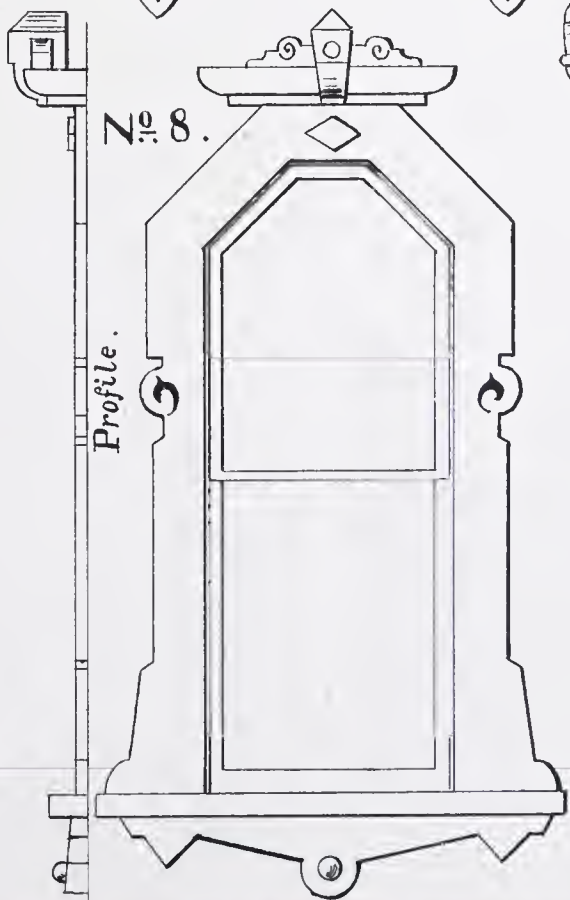
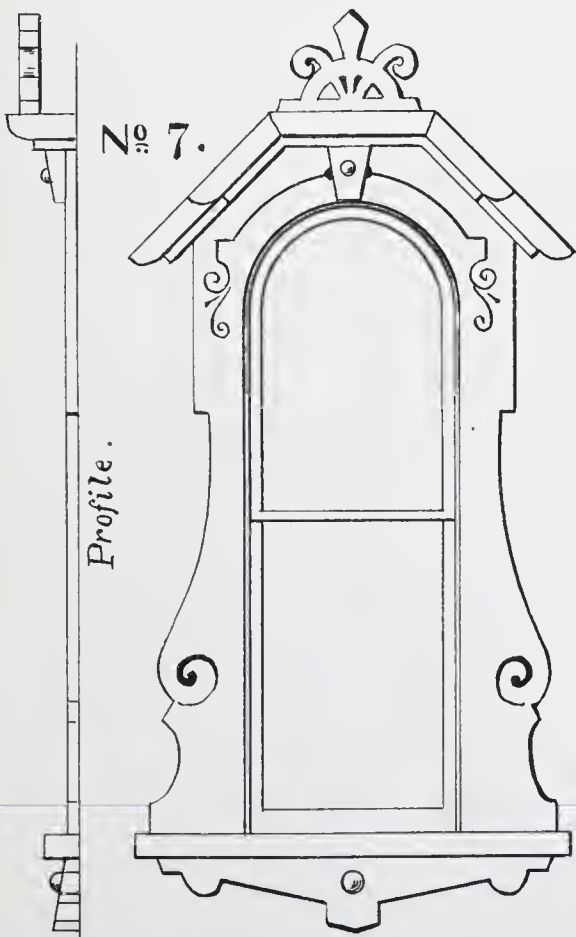
G. B. CROFF, ARCH'T, SARATOGA, N. Y.



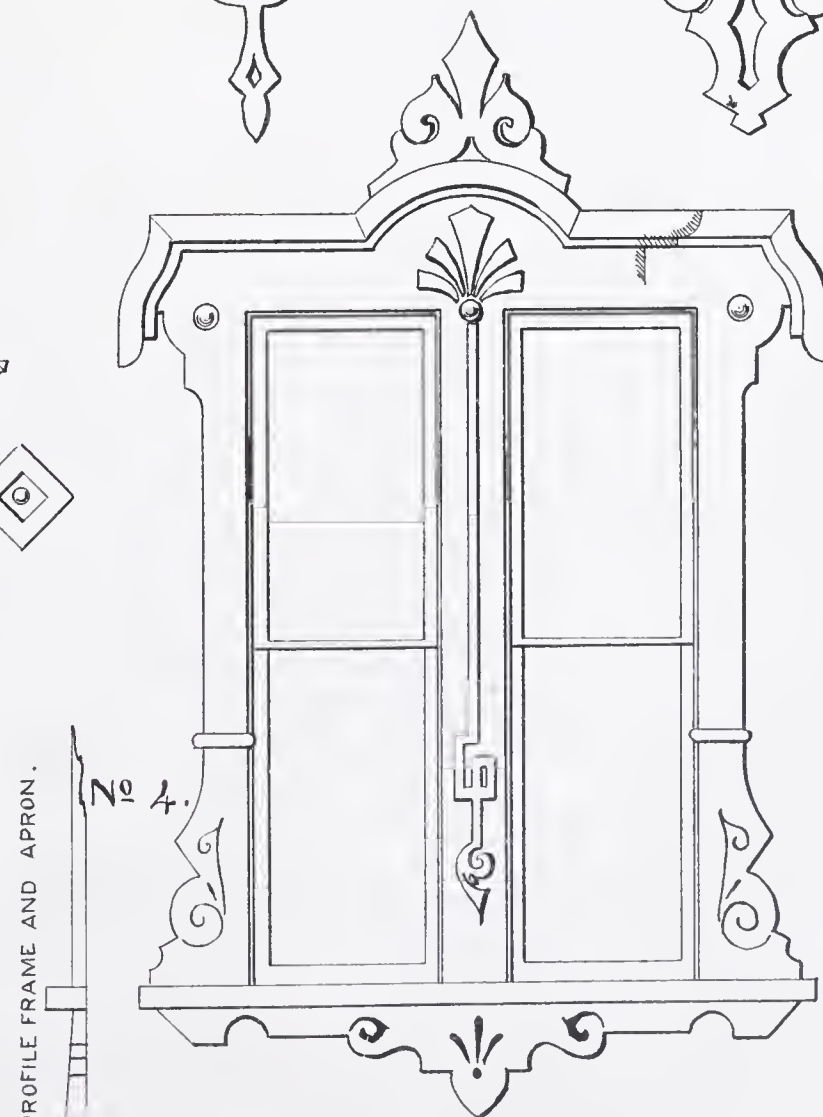
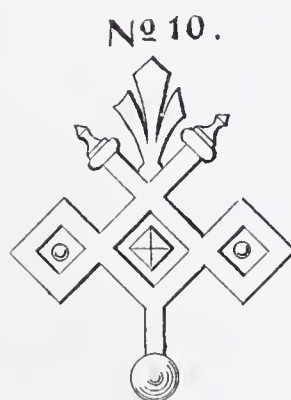
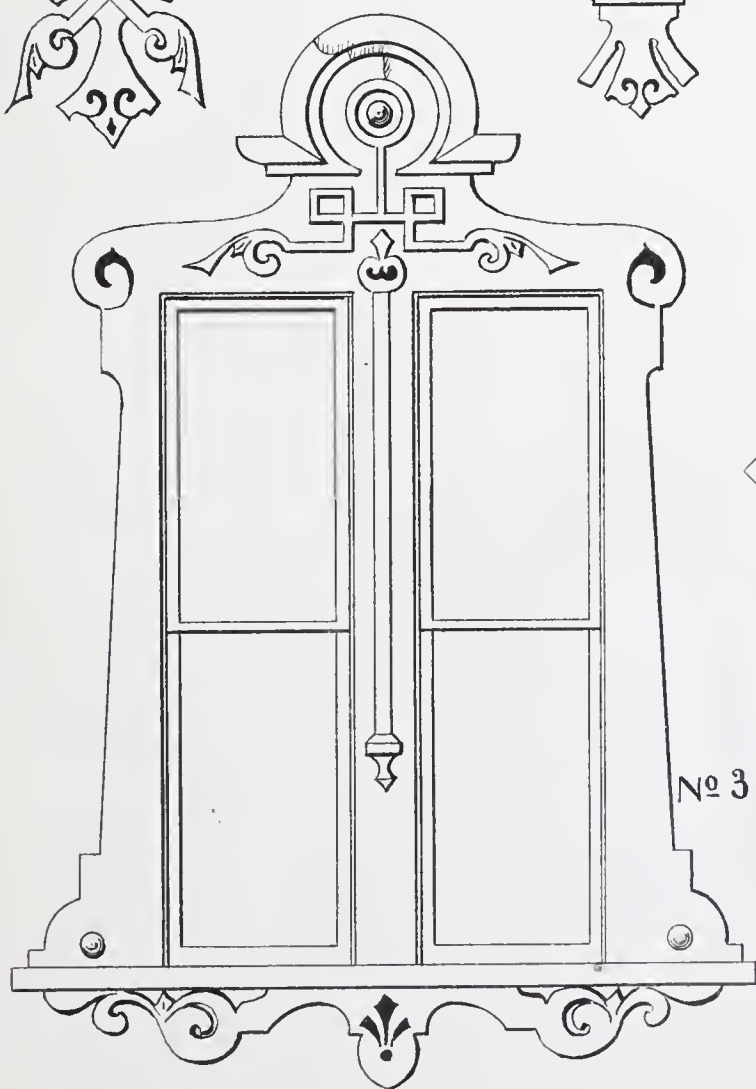
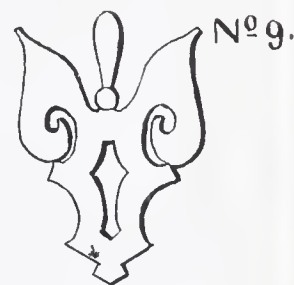
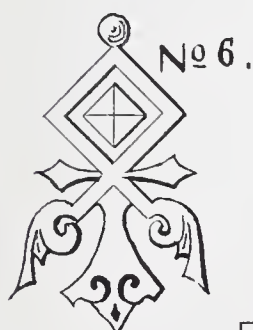
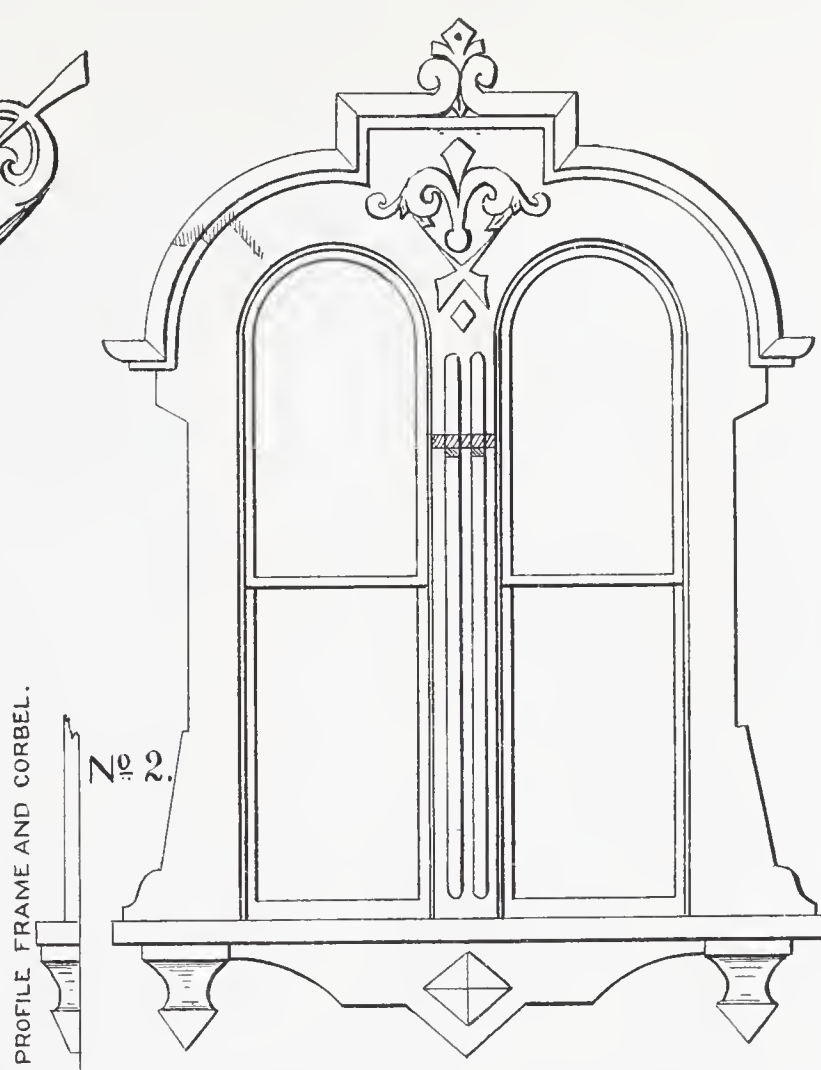
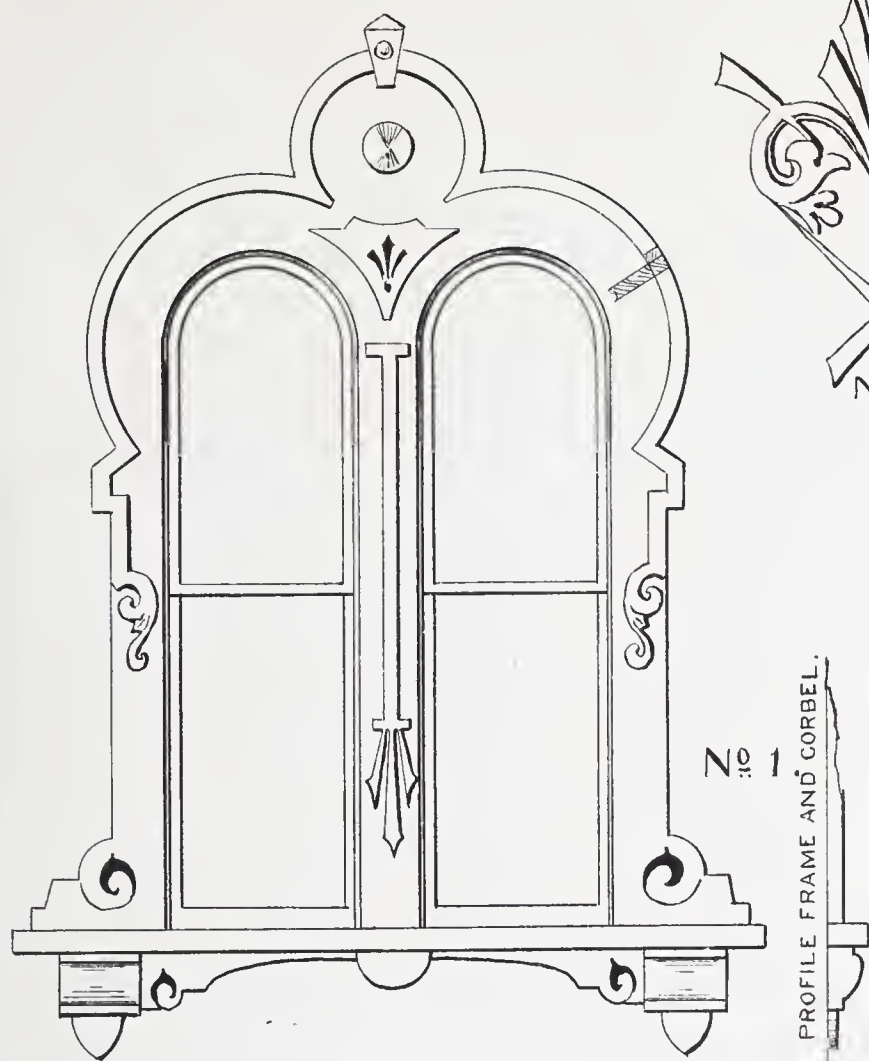
Nos. 1, 3, 4, & 6 are Ornamental Windows, for Circular Staircases, and Halls, where a regular sized window cannot be inserted with good effect.

Nos. 2, 5, 7, 8, 9, are Single Windows, for vertical walls of 2nd and 3rd Stories. They are of plain, but pleasing design.

Scale, $\frac{3}{8}$ inch, one foot.



G.B. CROFF, ARCH'T, SARATOGA, N.Y.



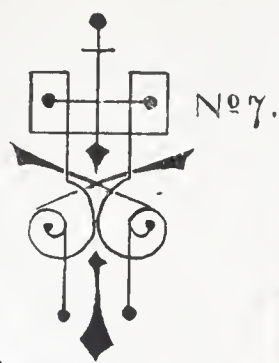
This Plate contains Four Designs for Double Windows for vertical walls of 1st. and 2nd Stories, which will be found extremely graceful and pleasing. Nos. 5, 6, 7, 8, 9, 10, are sawed ornaments, to be judiciously used, planted on, $\frac{3}{4}$ inch thick. Scale $\frac{3}{8}$ inch, one foot. G. B. CROFF. ARCH'T. SARATOGA, N.Y.



No 5.

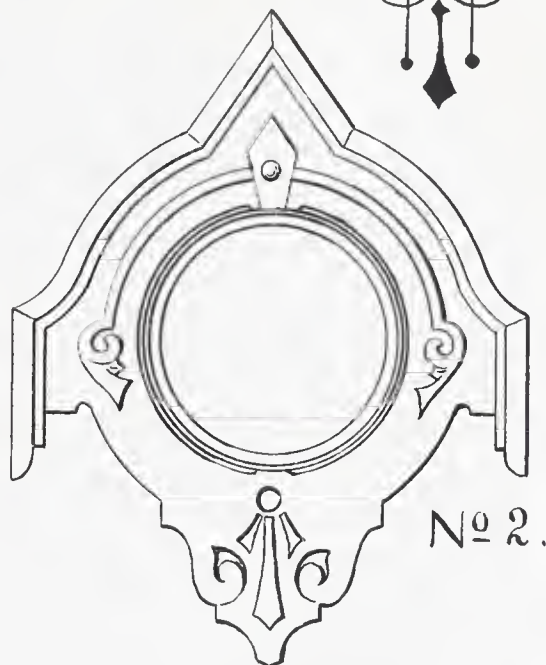
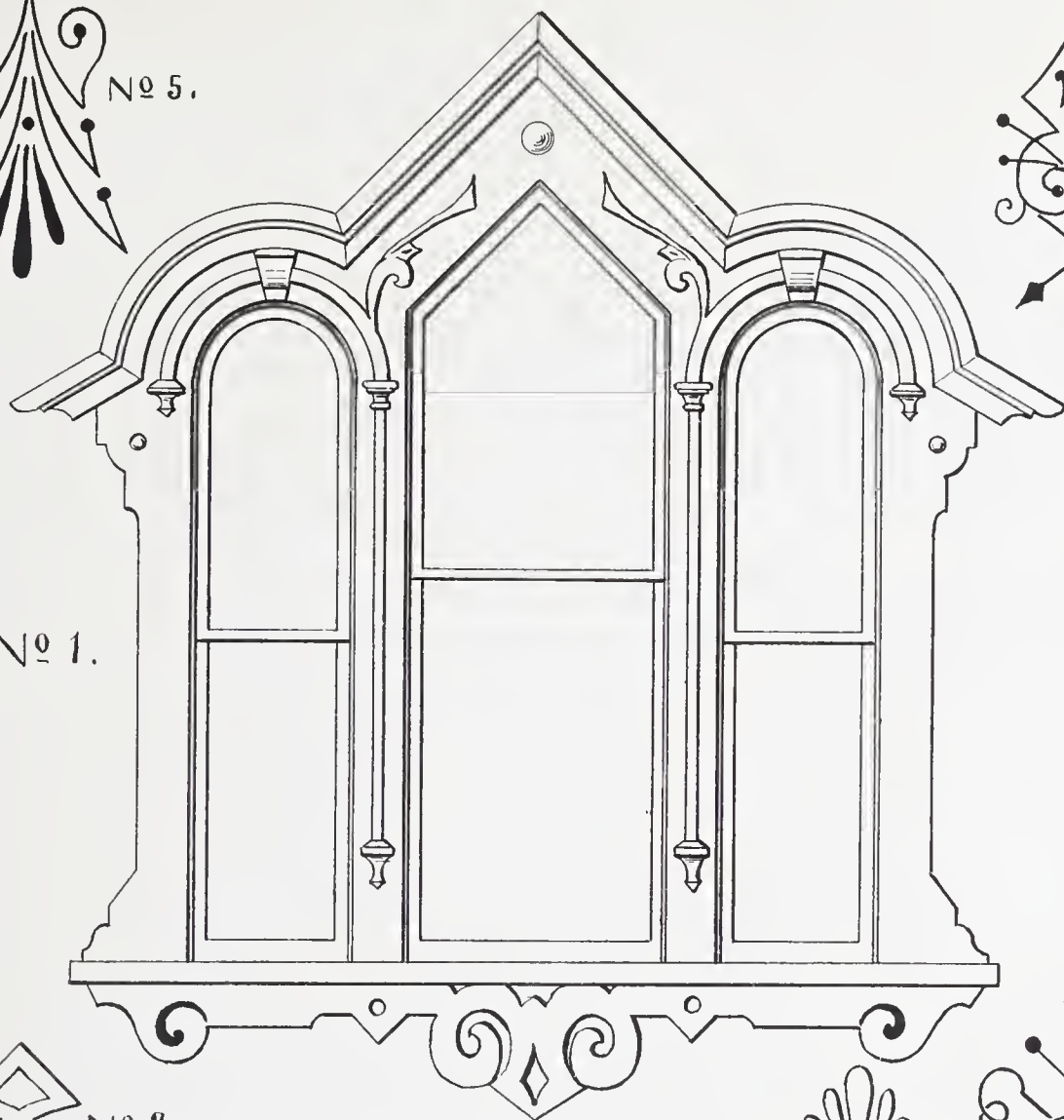


No 6.

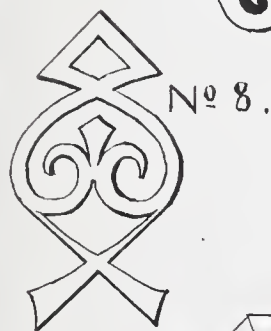


No 7.

No 1.



No 2.

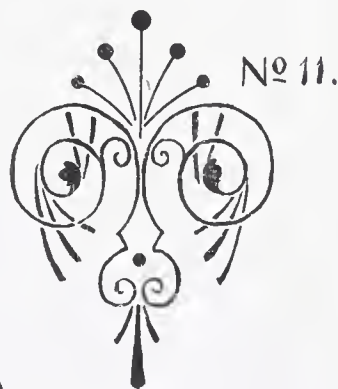


No 8.

No 9.

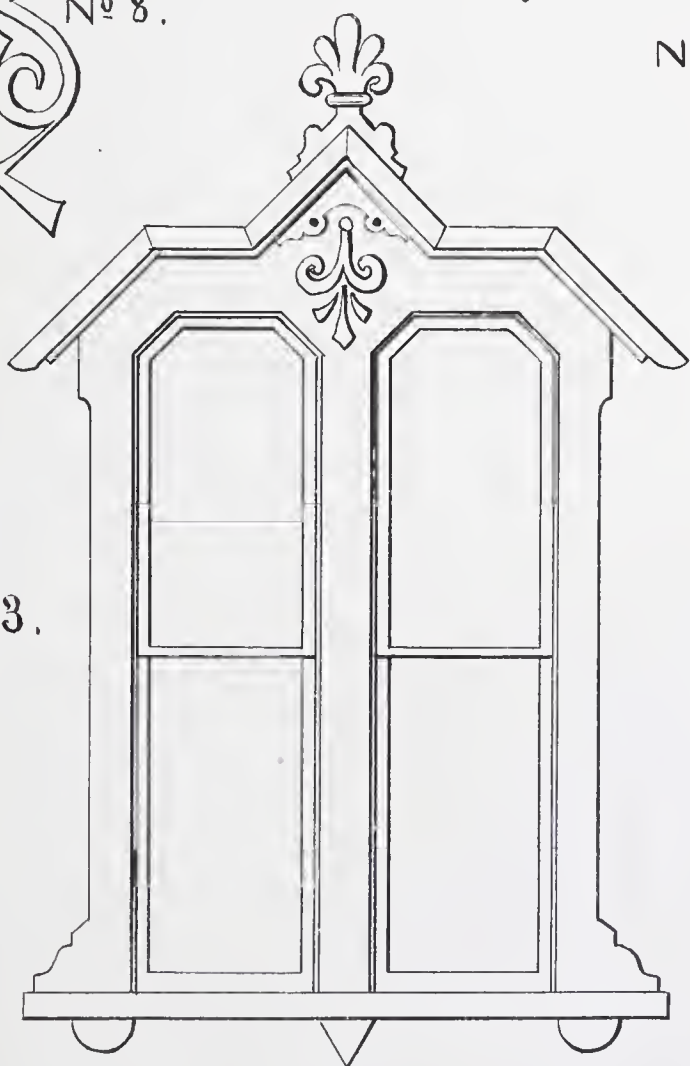


No 10.

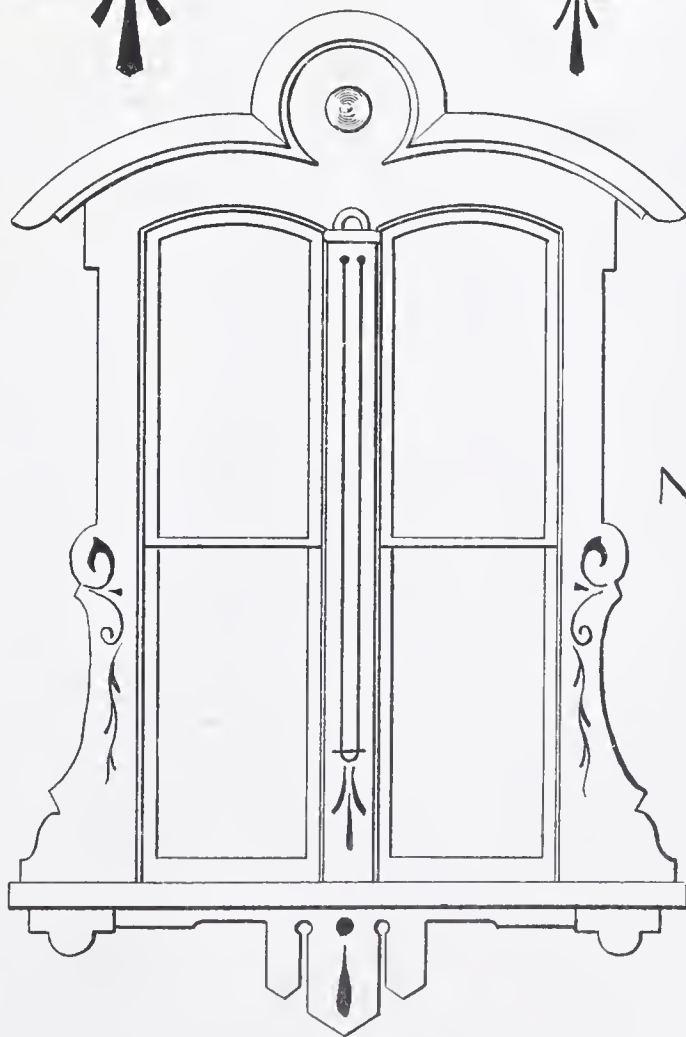


No 11.

No 3.



No 12.



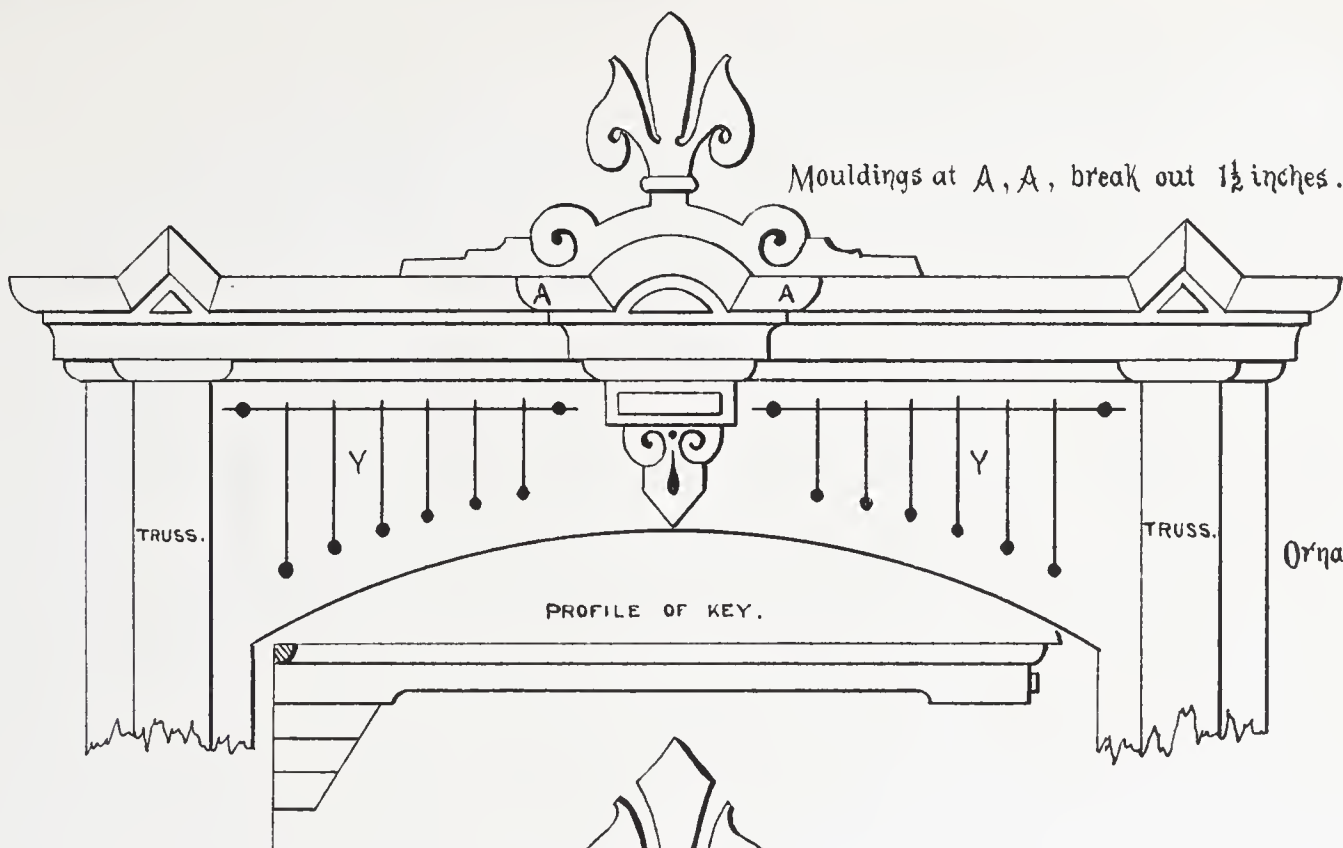
No 4.

No. 1 is a triple window, to be employed in Tower Fronts, over wide Entrances, or large Bays.
 No. 2 is a window for lighting a Staircase. Nos. 3 and 4 are double windows of pleasing design.
 Nos. 8 and 9 are sawed scroll work to be planted on.
 Nos. 5, 6, 7, 10, 11, 12, are designs for scroll work to be sawed through.

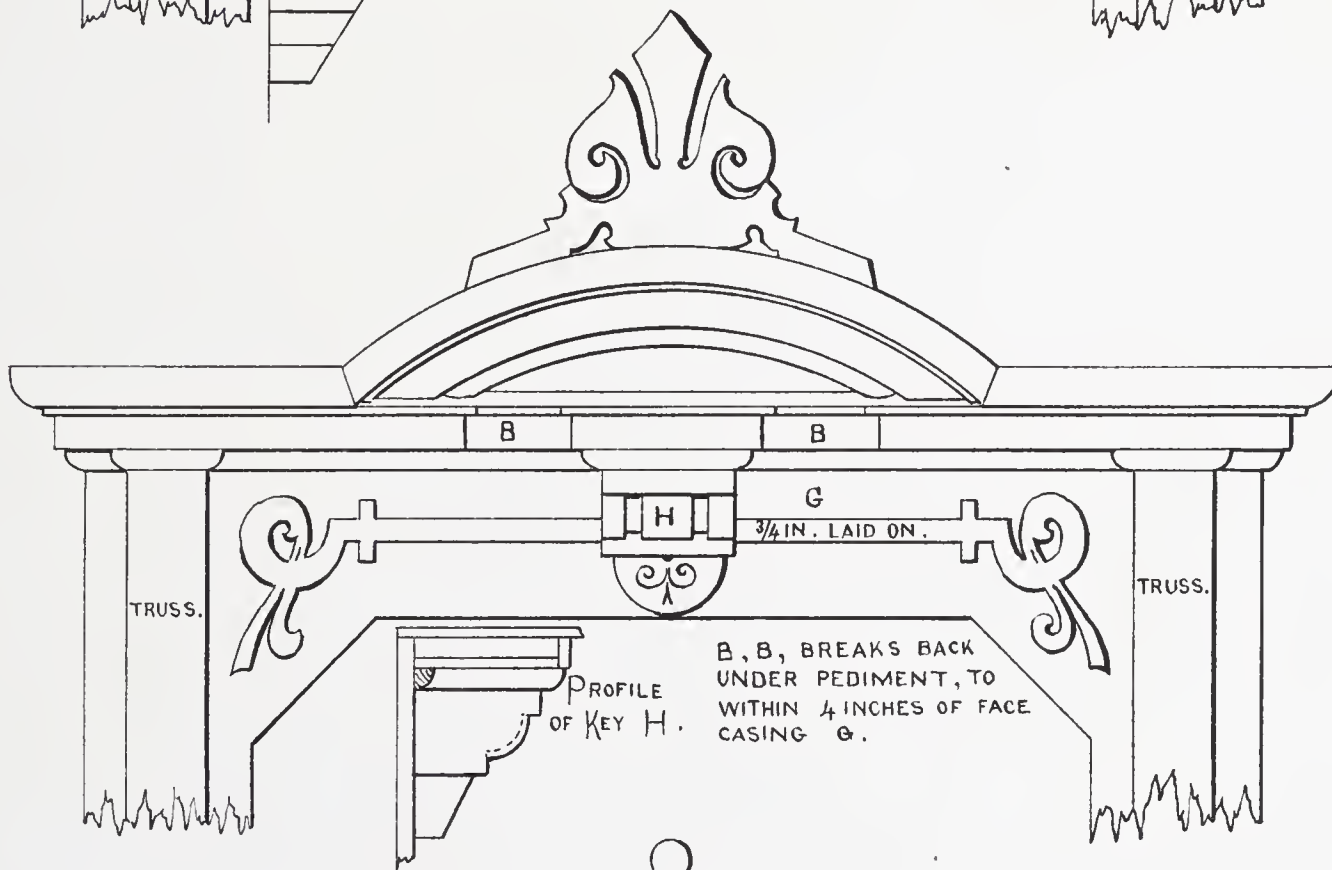
Scale $\frac{3}{8}$ inch, one foot.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.

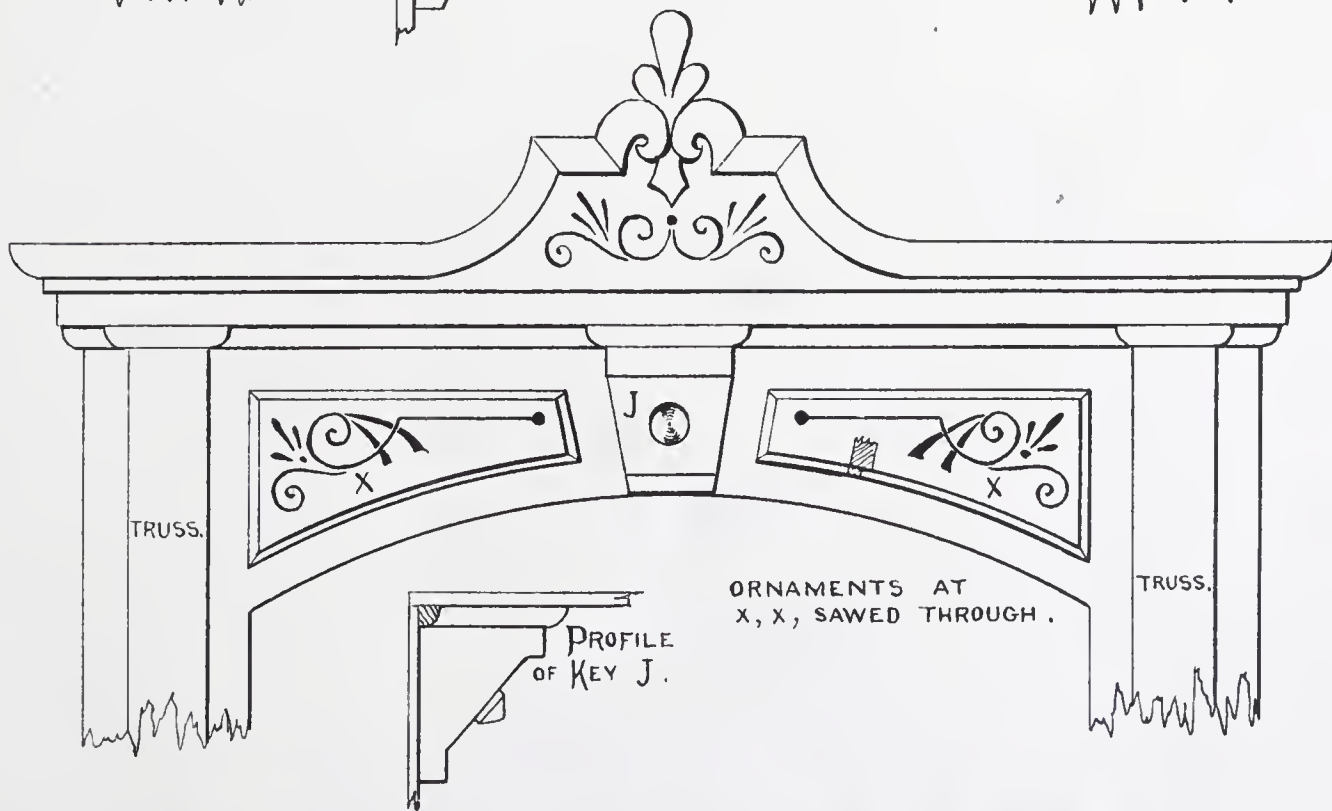
No. 1.



No. 2.



No. 3.



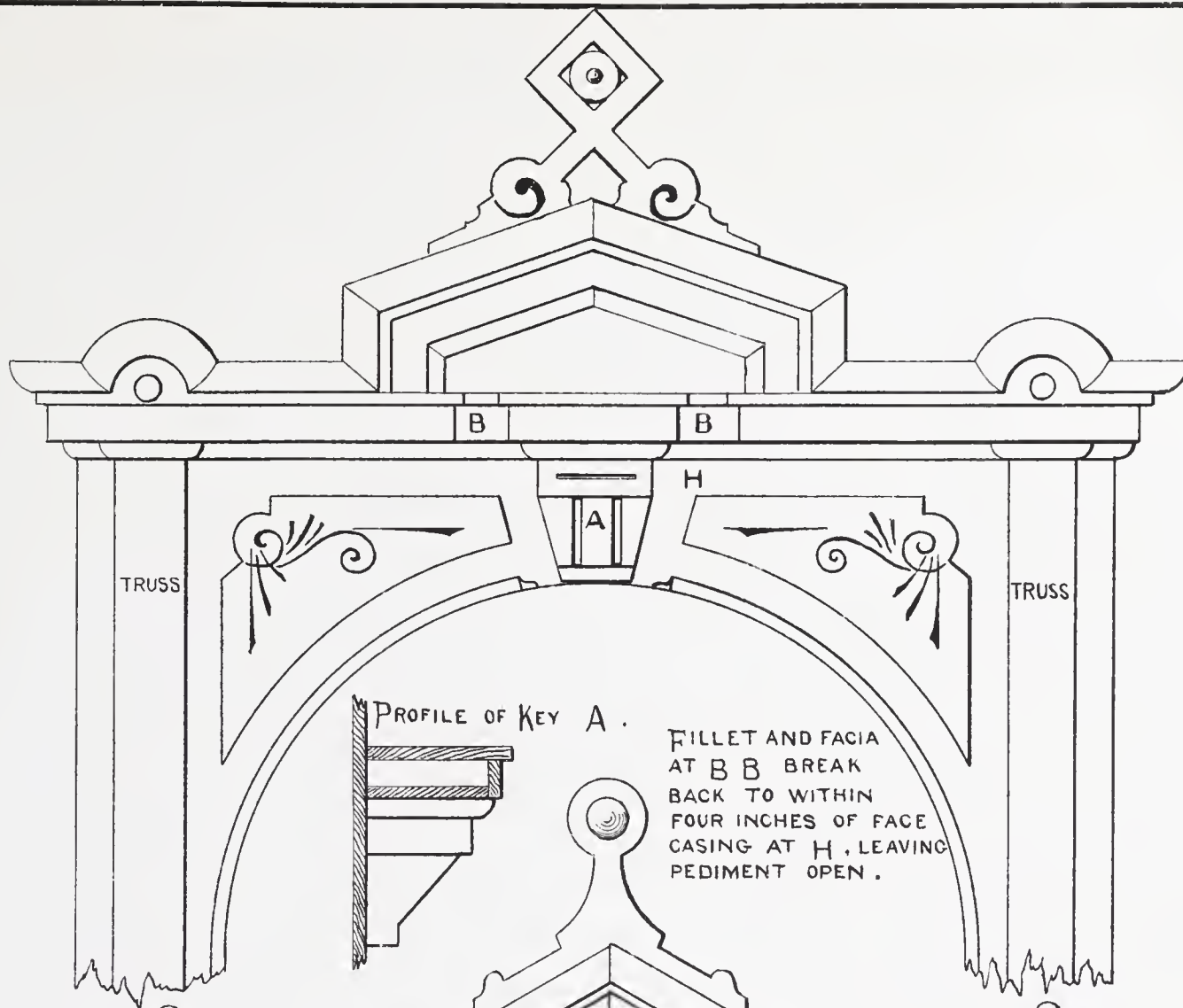
This Plate contains three designs of plain, chaste Canopies, in connection with which may be employed any of the Trusses shown in Plates 48, 49, 50.

Projection may be adjusted to suit taste and position.

Scale, 3/4 inch to one foot.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.

No 1.



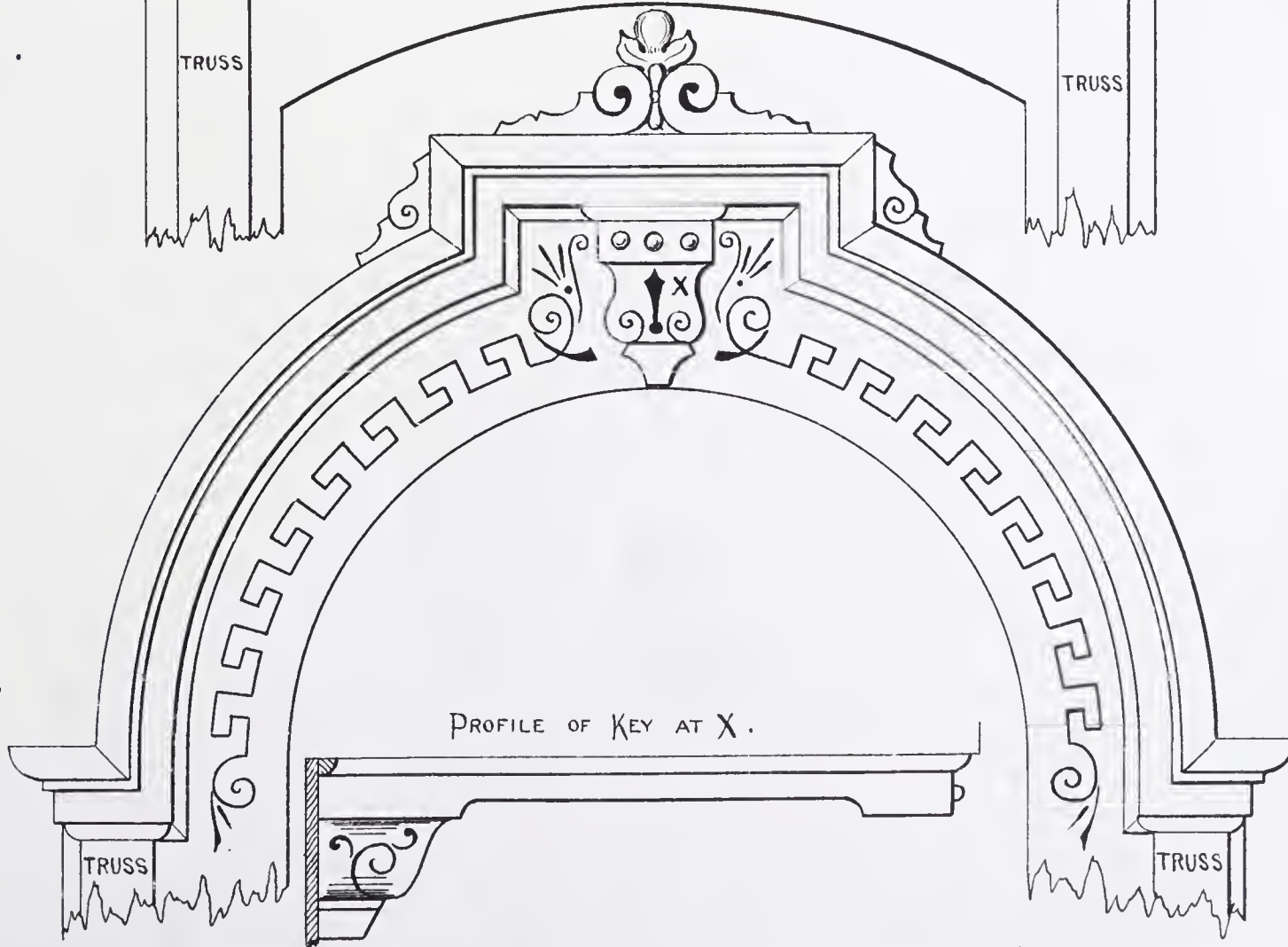
PROFILE OF KEY A.

FILLET AND FACIA
AT B B BREAK
BACK TO WITHIN
FOUR INCHES OF FACE
CASING AT H, LEAVING
PEDIMENT OPEN.

No 2.



No 3.



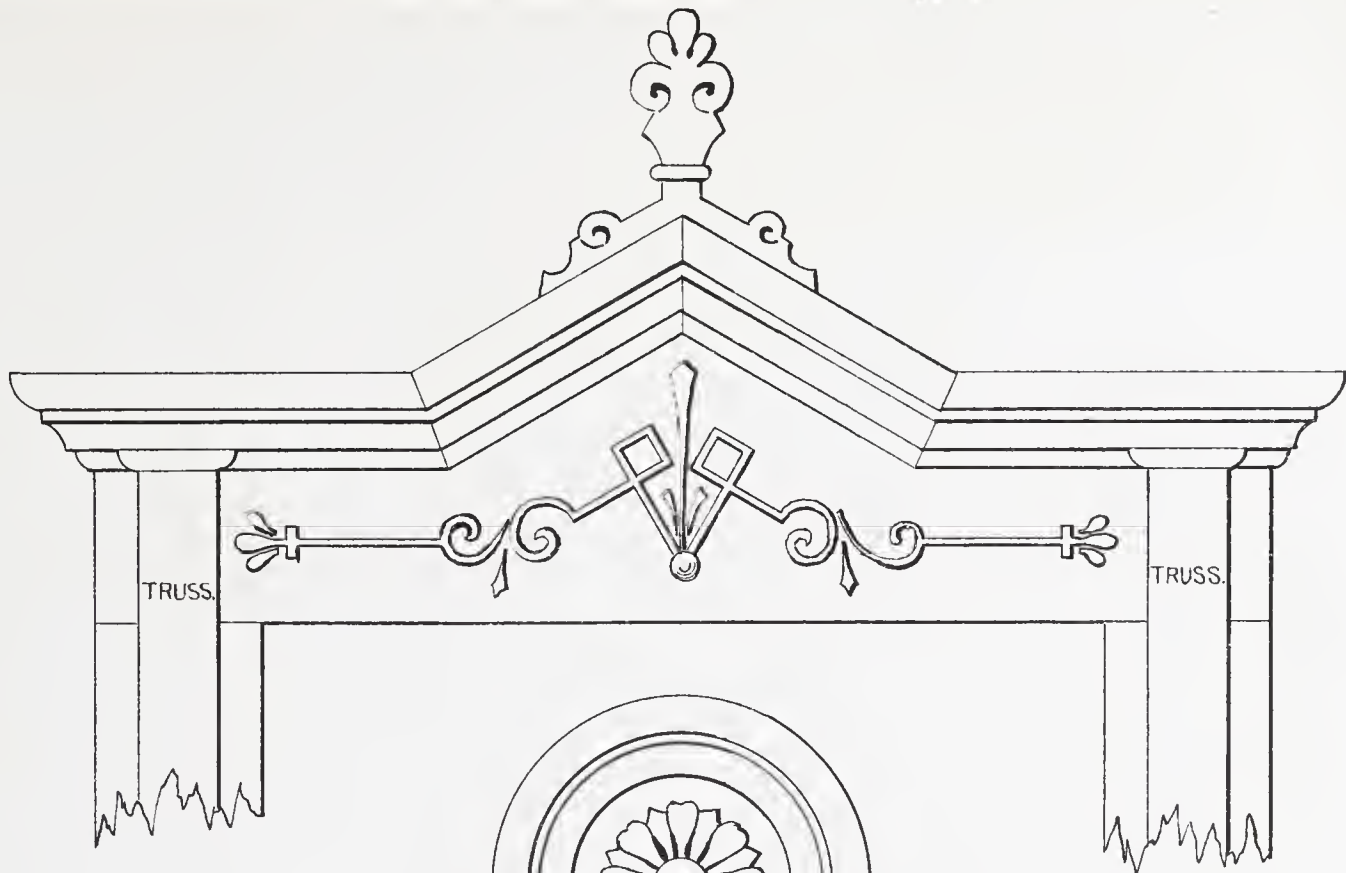
PROFILE OF KEY AT X.

This Plate contains three designs of Canopies for Entrance Ways, Balconies, &c.

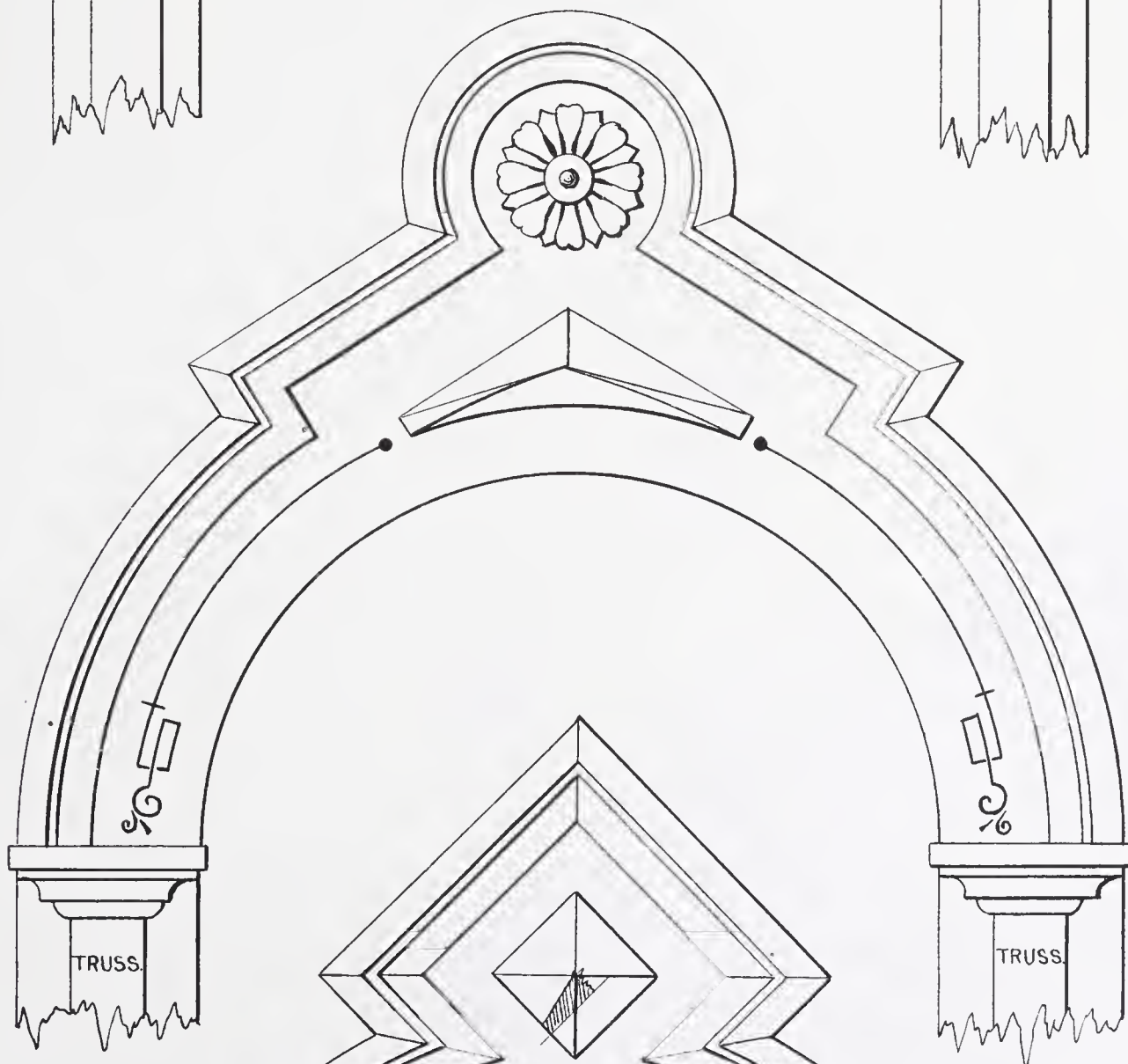
Scale, $\frac{3}{4}$ inch, one foot

richly varied in outline, suitable to a fine structure. G. B. Croff, ARCH'T SARATOGA, N.Y.

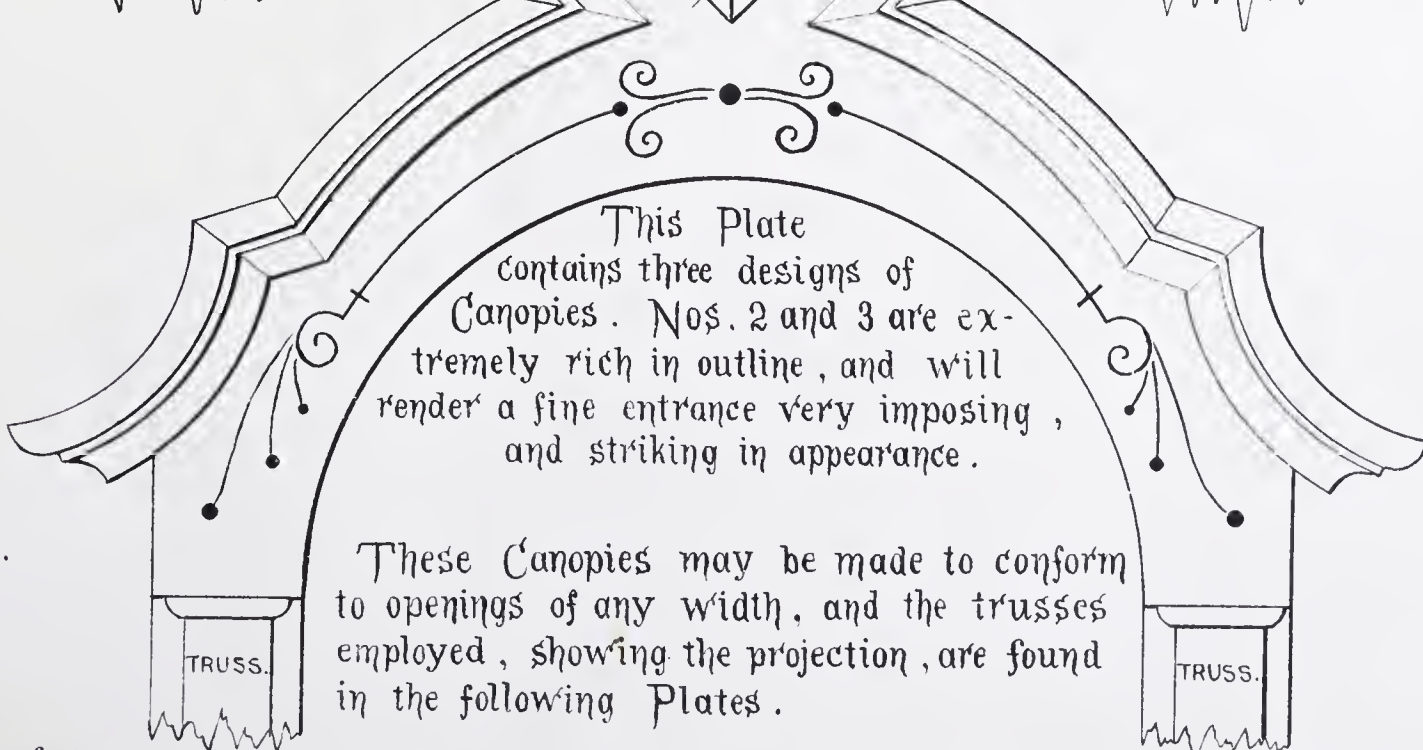
No. 1.



No. 2.



No. 3.

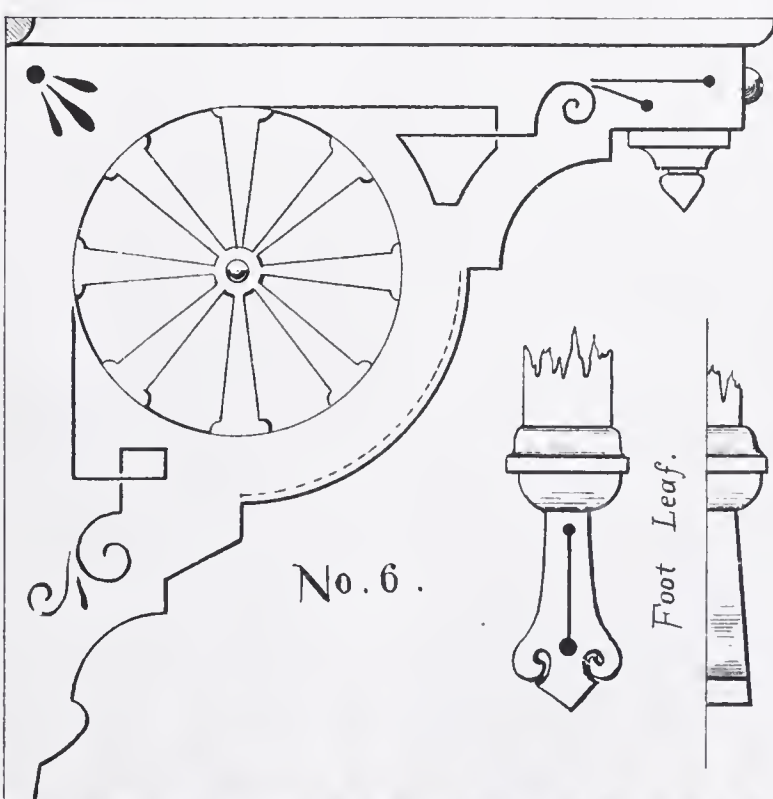
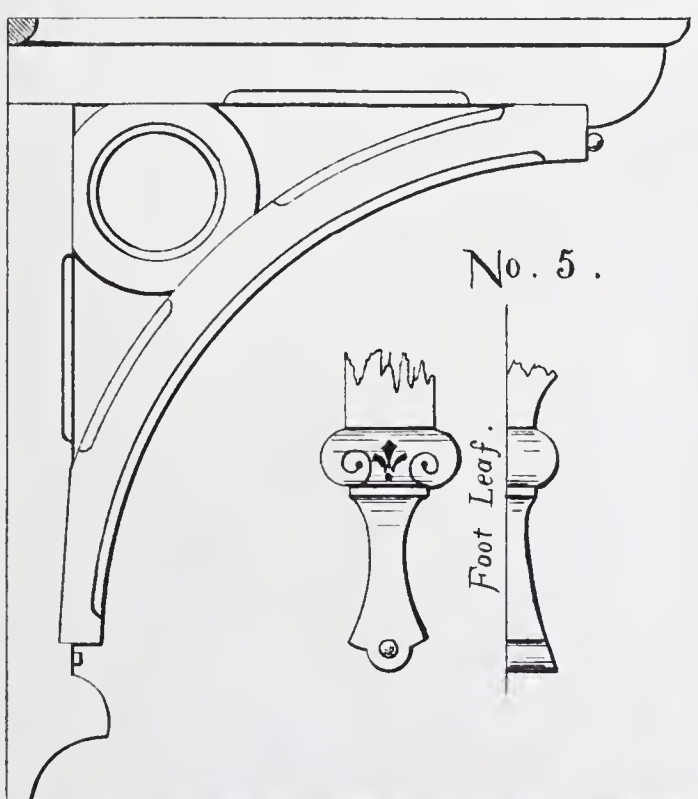
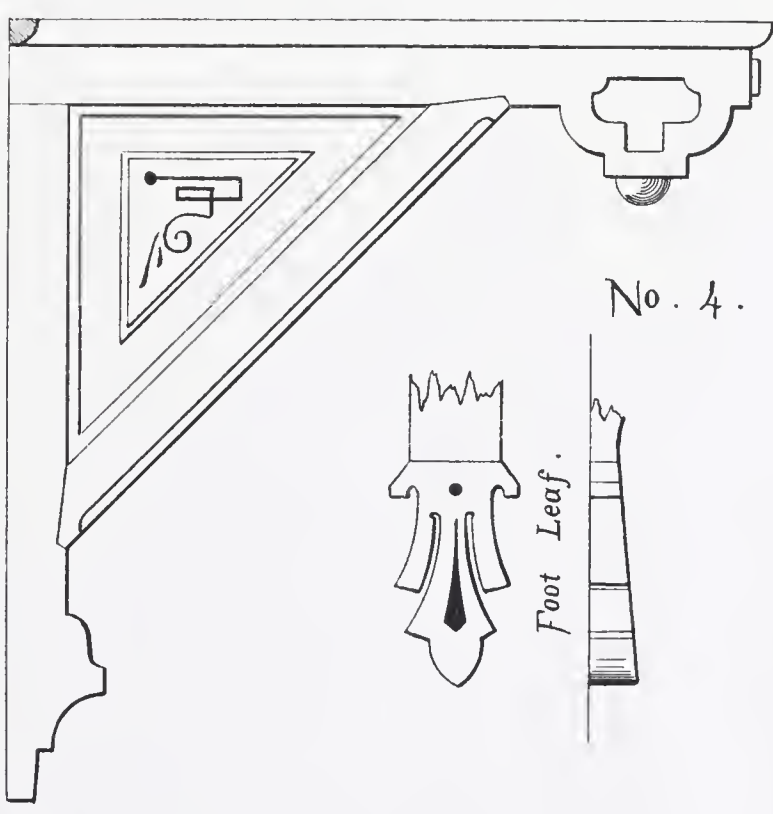
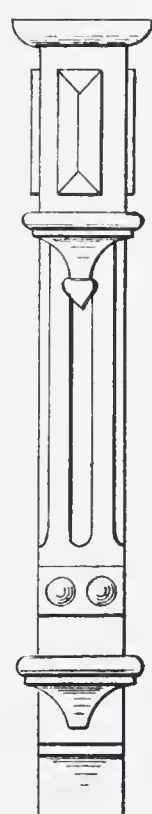
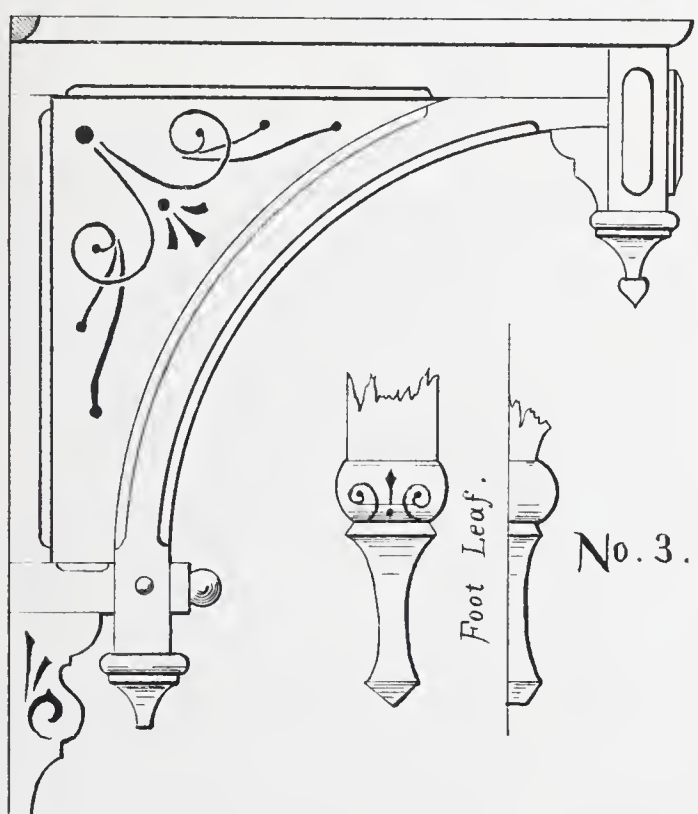
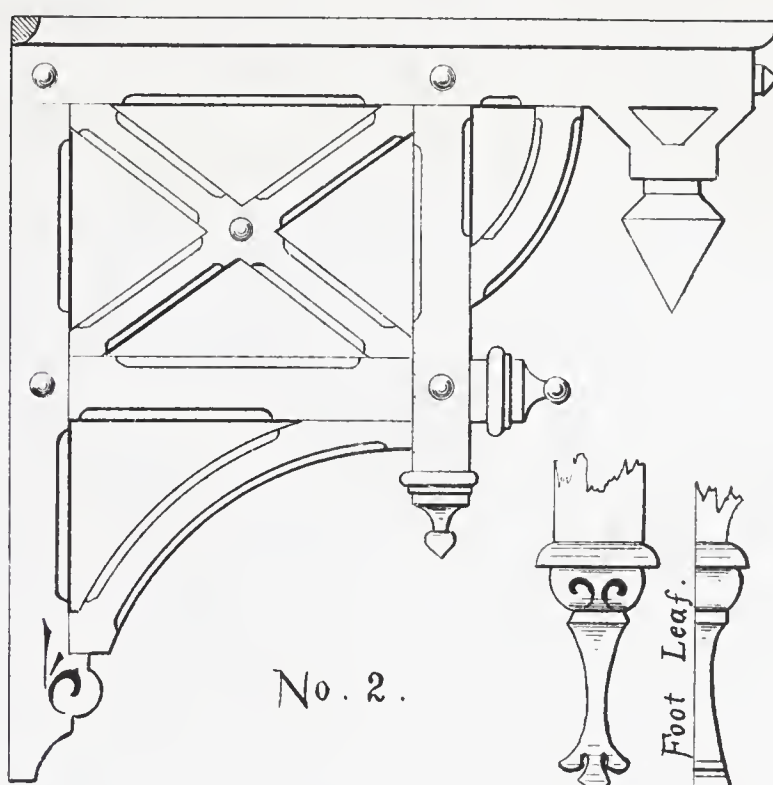
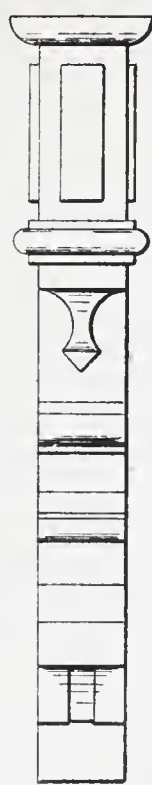
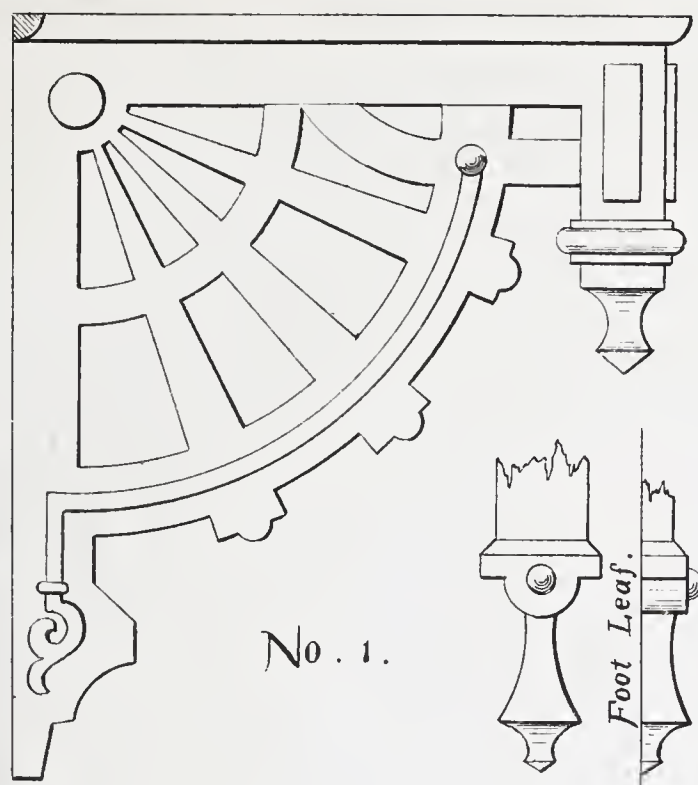


This Plate contains three designs of Canopies. Nos. 2 and 3 are extremely rich in outline, and will render a fine entrance very imposing, and striking in appearance.

These Canopies may be made to conform to openings of any width, and the trusses employed, showing the projection, are found in the following Plates.

Scale, $\frac{3}{4}$ inch, one foot.

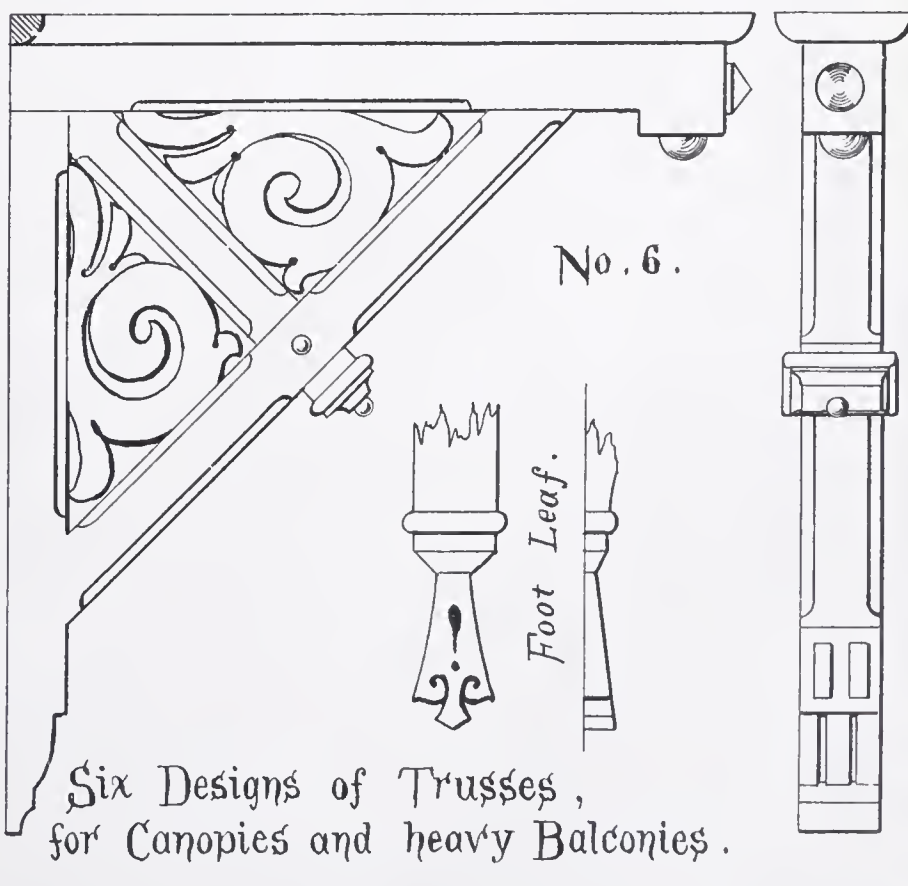
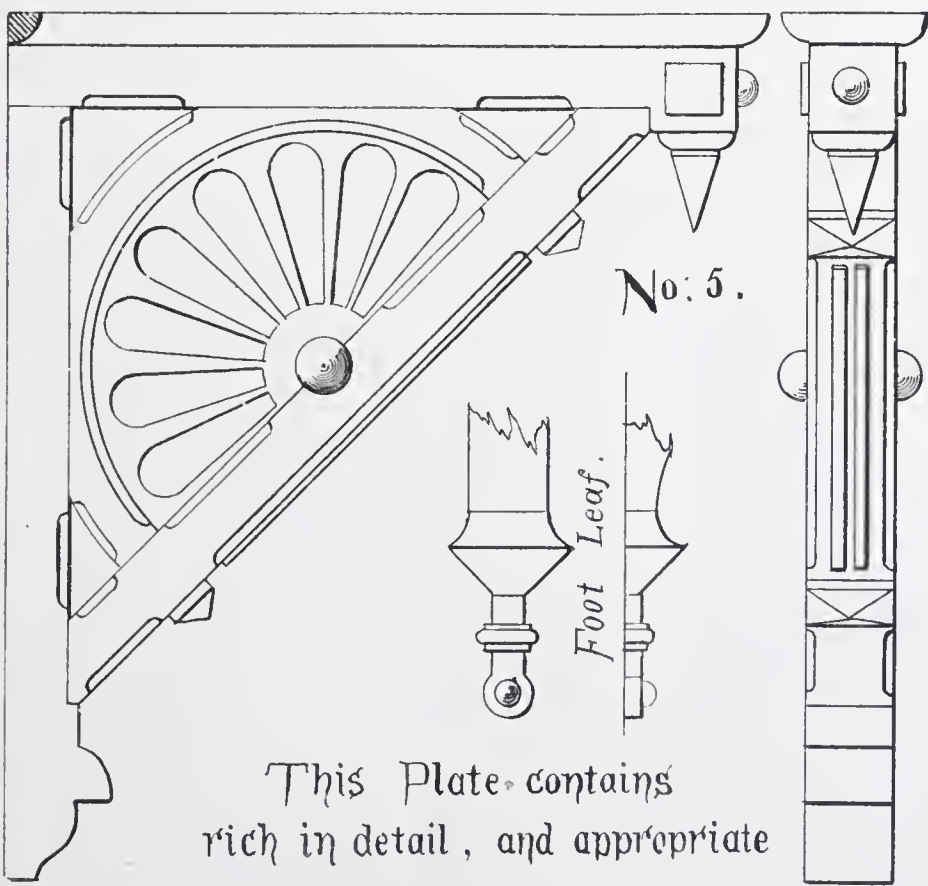
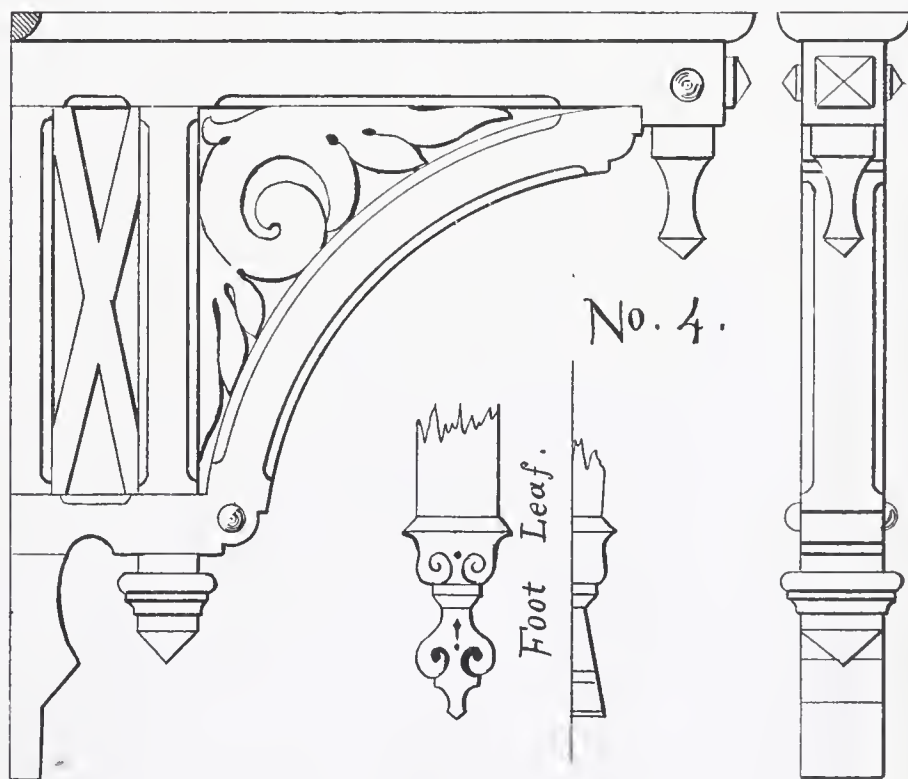
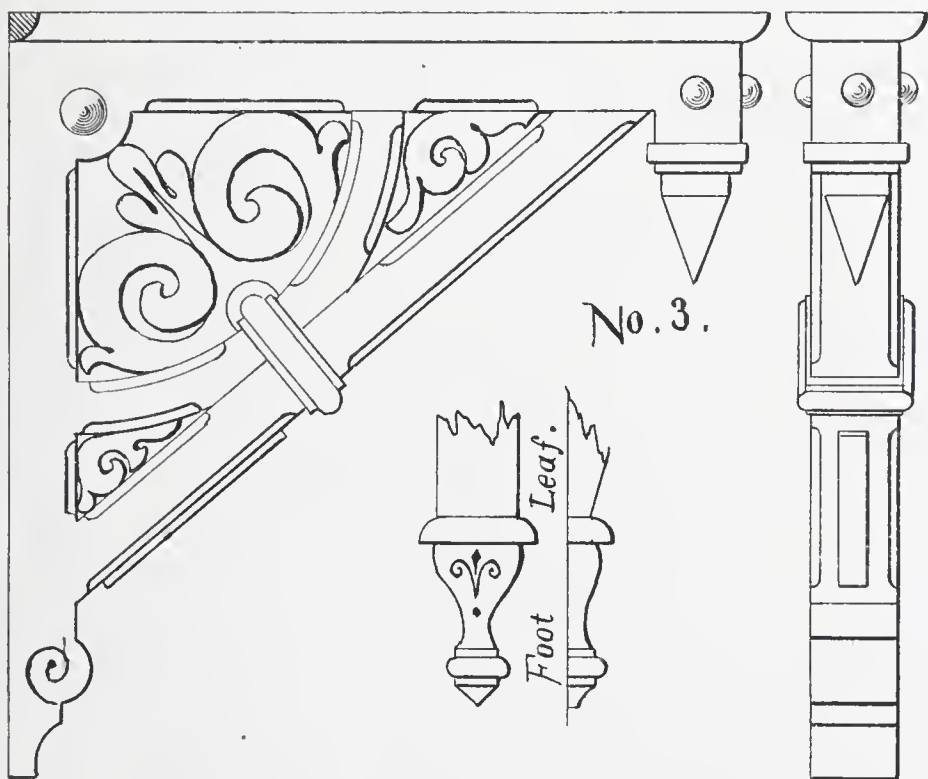
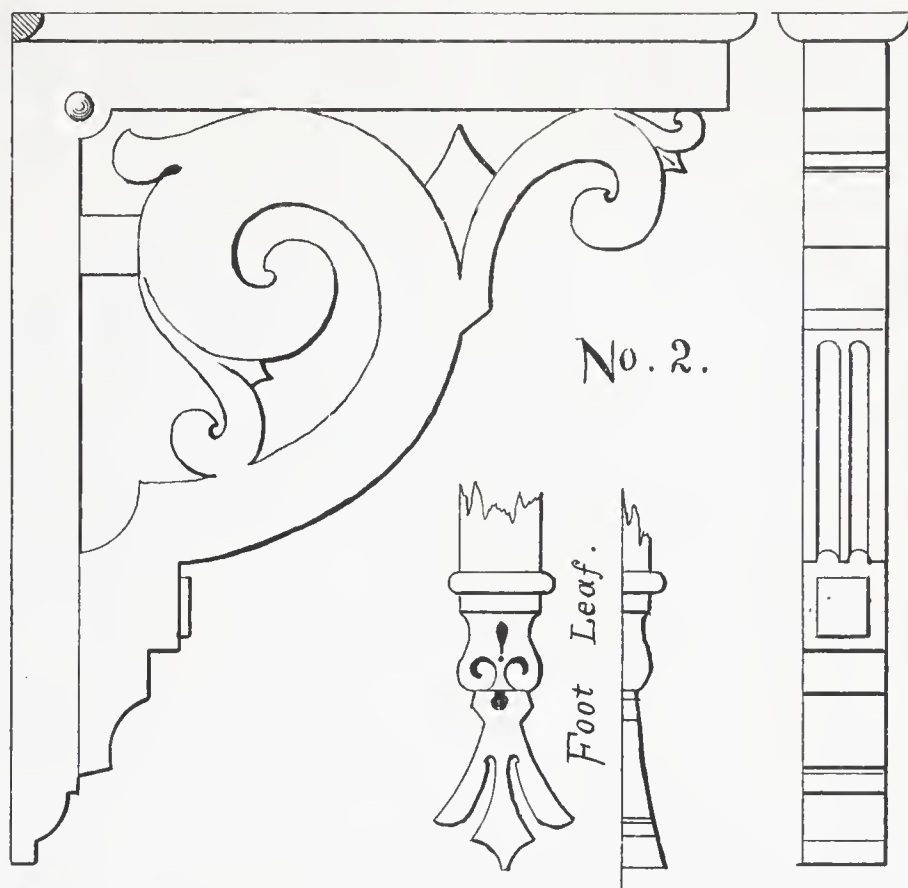
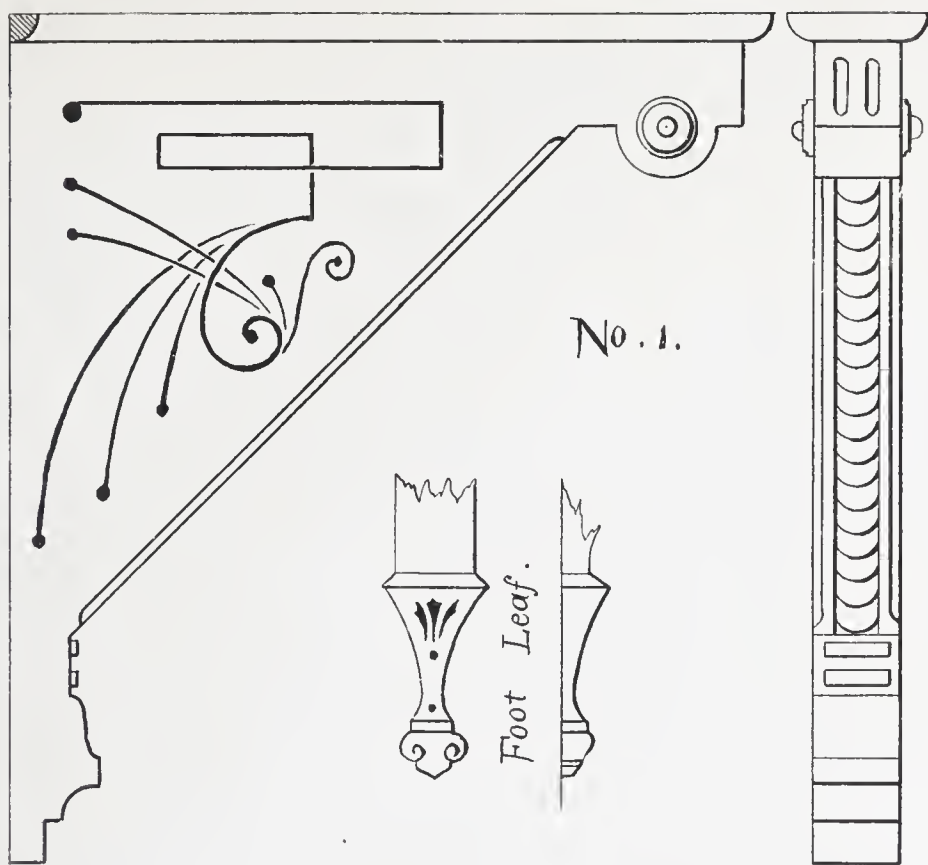
G. B. CROFF, ARCH. SARATOGA, N. Y.



This Plate contains Six Designs for Trusses, to support Canopies, which will be found very beautiful in effect.

SCALE. $\frac{3}{4}$ INCH. ONE FOOT.

G. B. CROFF, ARCH'T. SARATOGA, N. Y.

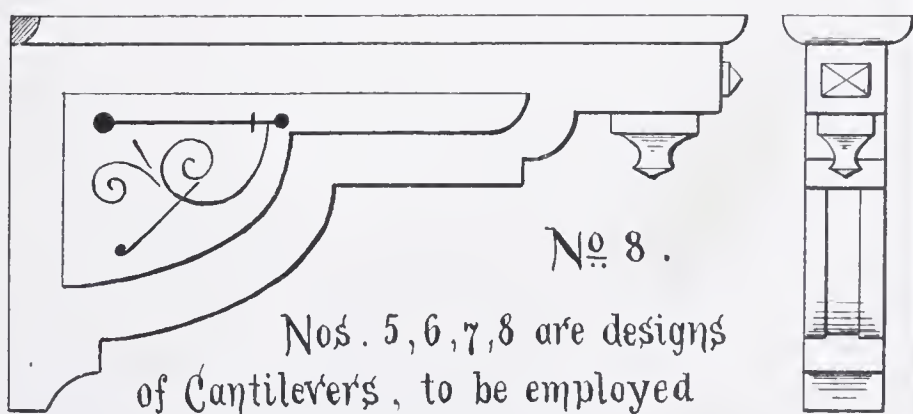
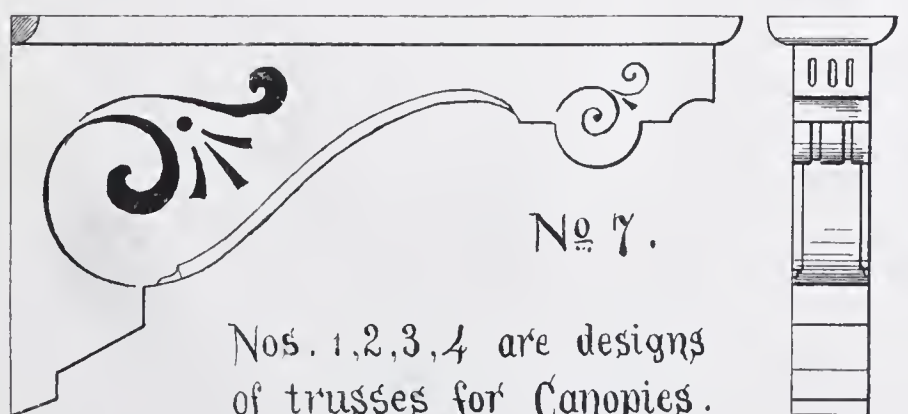
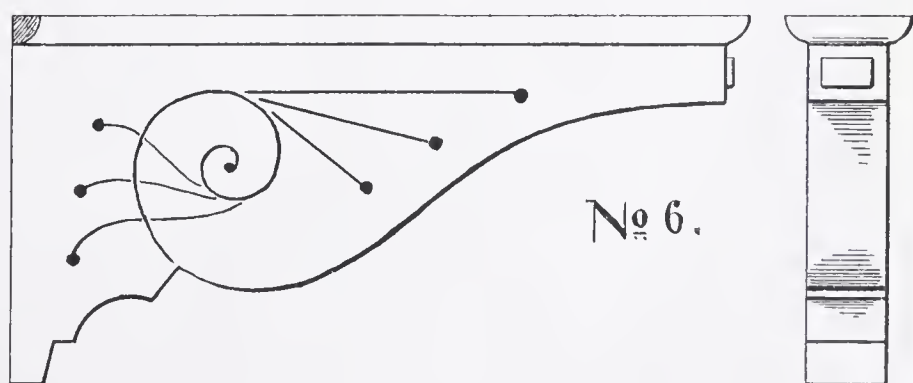
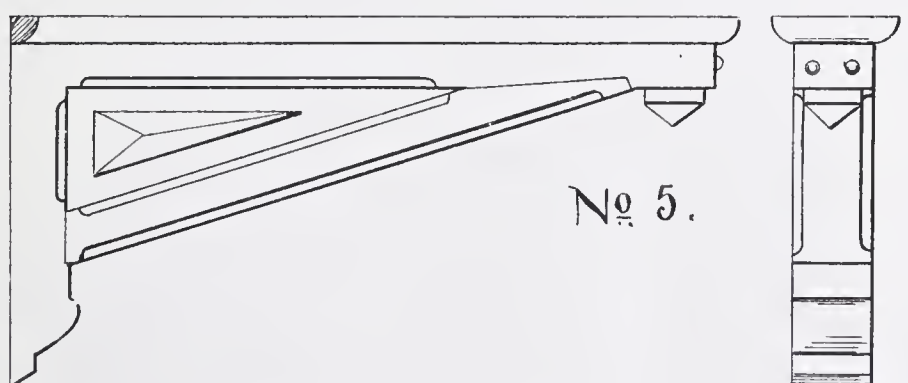
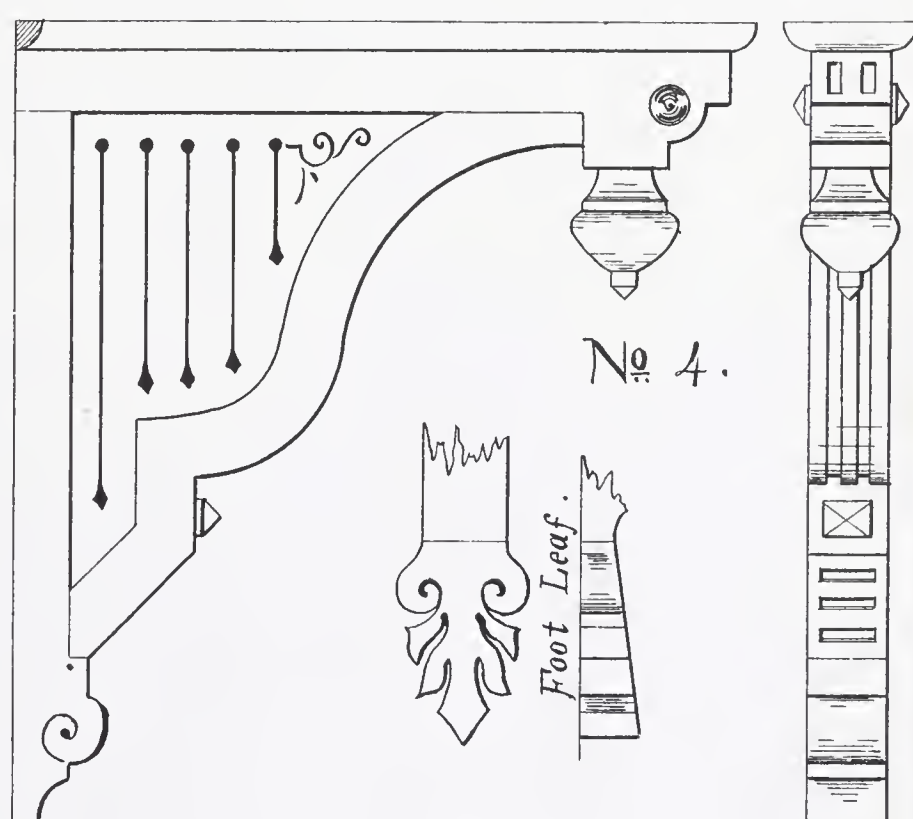
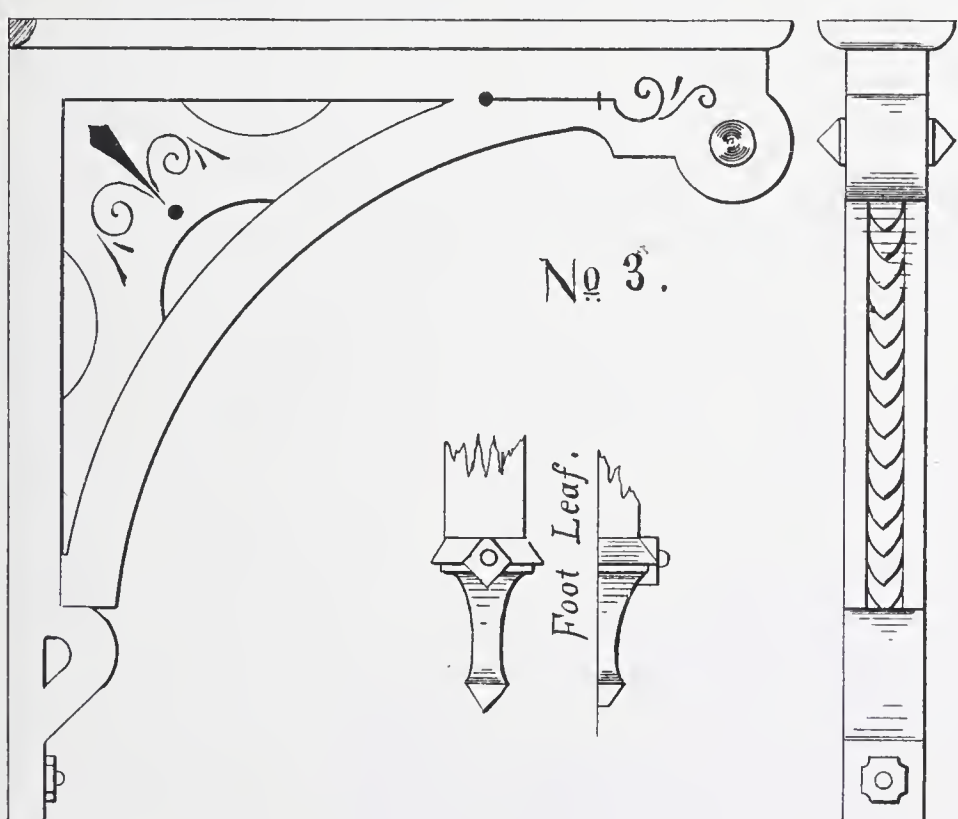
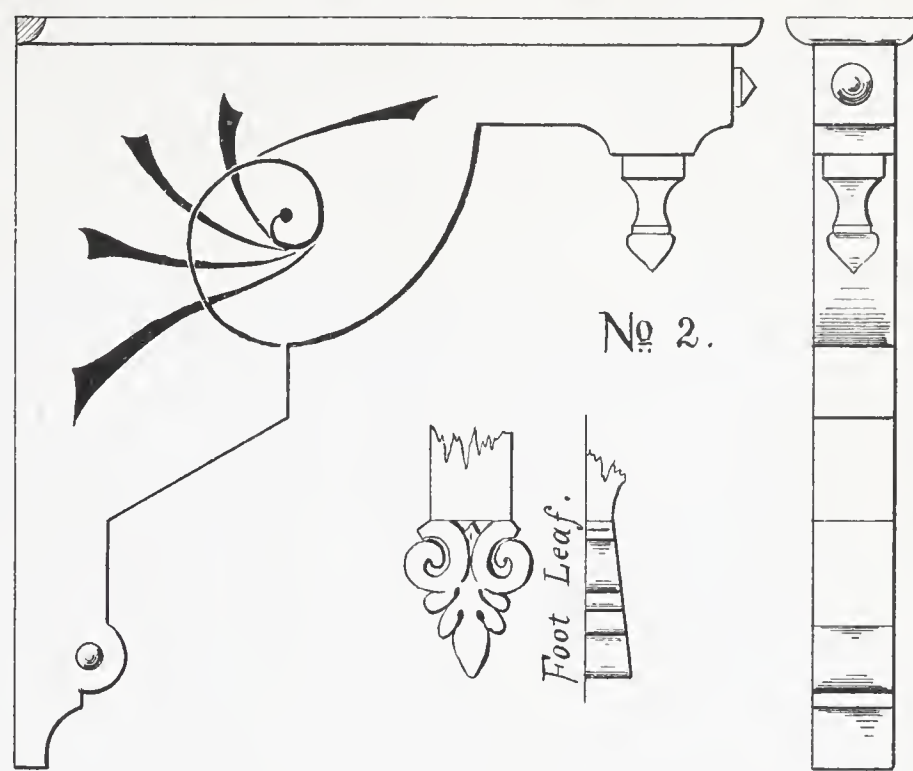
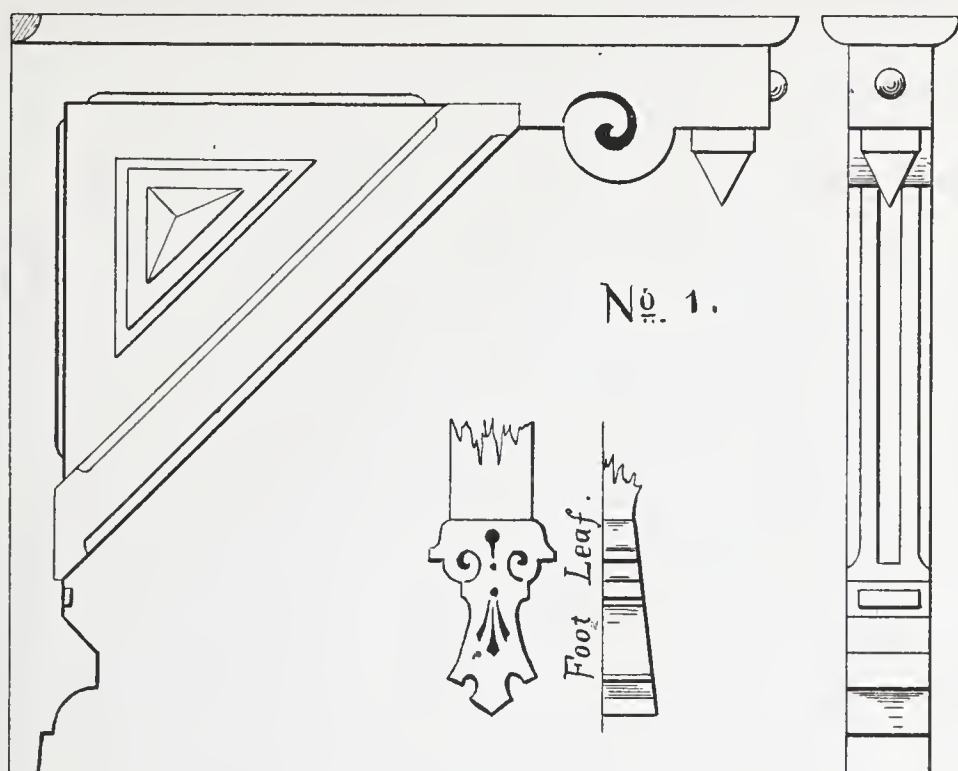


This Plate contains
rich in detail, and appropriate

Six Designs of Trusses,
for Canopies and heavy Balconies.

SCALE, $\frac{3}{4}$ INCH, ONE FOOT.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.

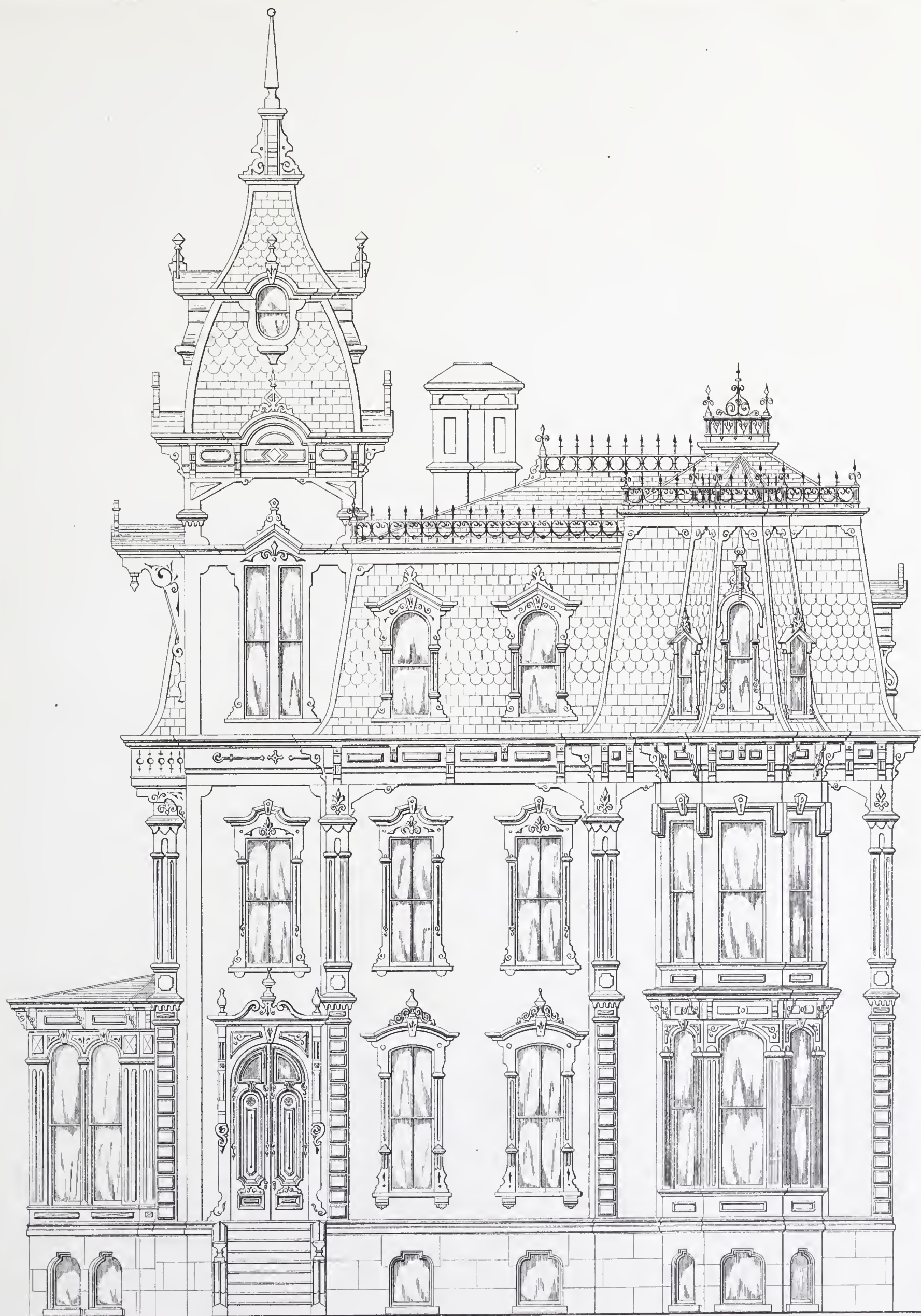


Nos. 1, 2, 3, 4 are designs
of trusses for Canopies.

Nos. 5, 6, 7, 8 are designs
of Cantilevers, to be employed
under Balconies.

Scale, $\frac{3}{4}$ inch, one foot.

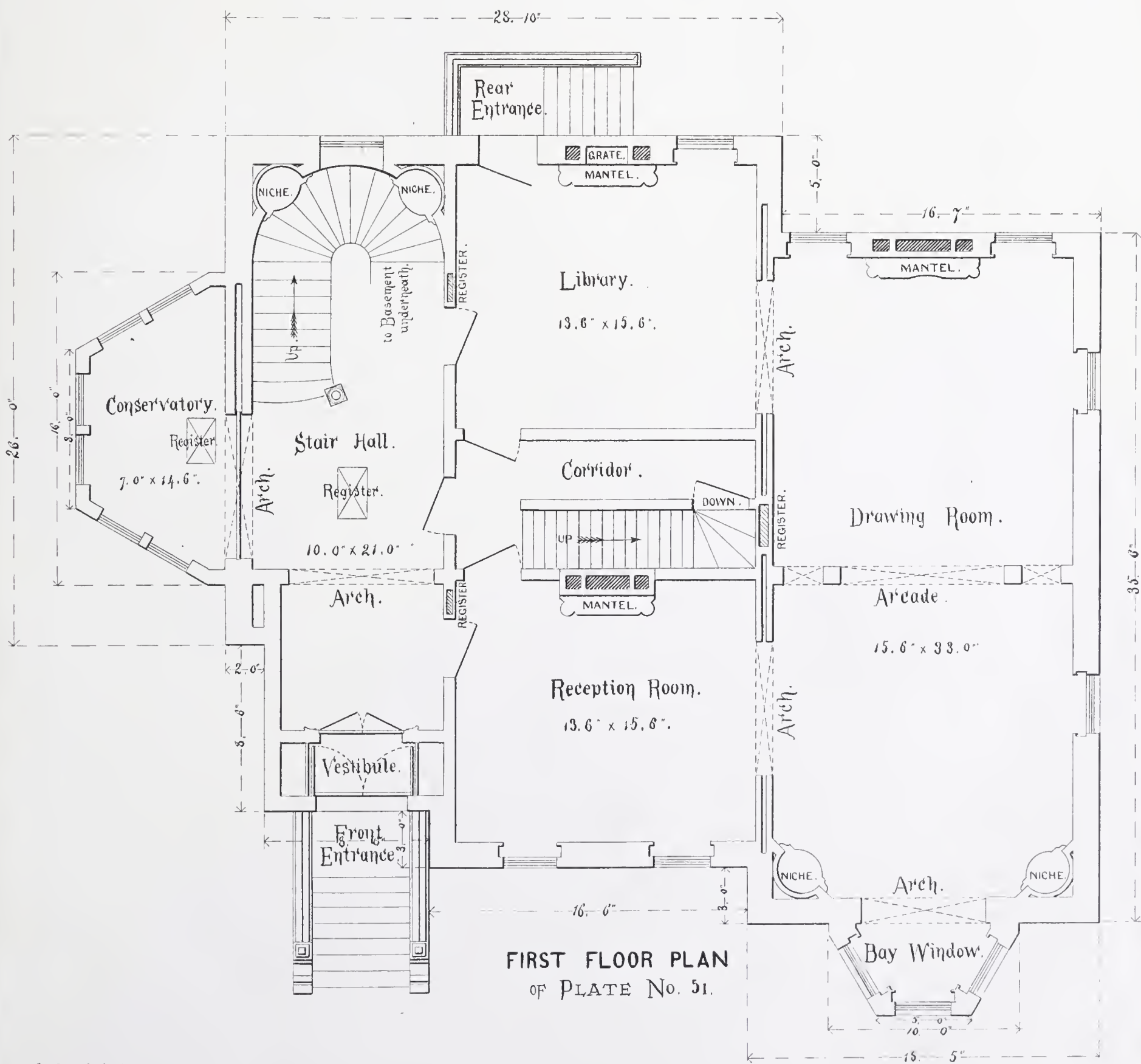
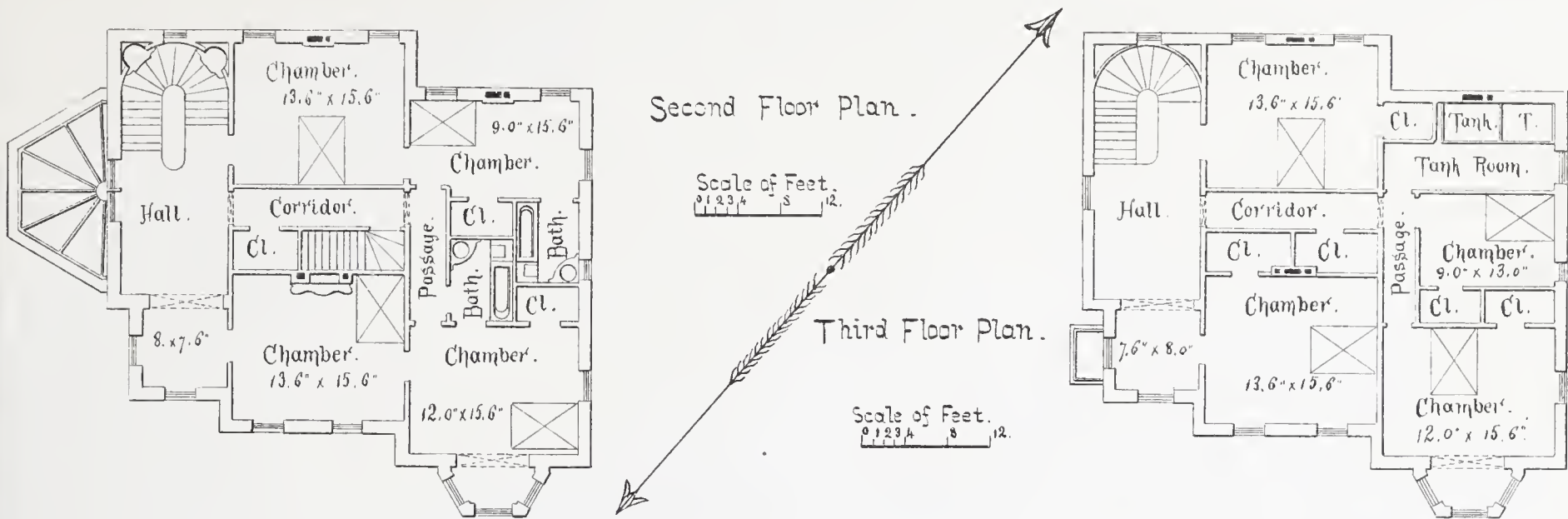
G. B. CROFF, ARCH'T. SARATOGA, N. Y.



SCALE OF FEET.
0 1 2 3 4 8

ELEVATION OF RESIDENCE DESIGNED FOR EXECUTION IN SARATOGA SPRINGS, N. Y.

G. B. CROFF, ARCHITECT, SARATOGA, N. Y.

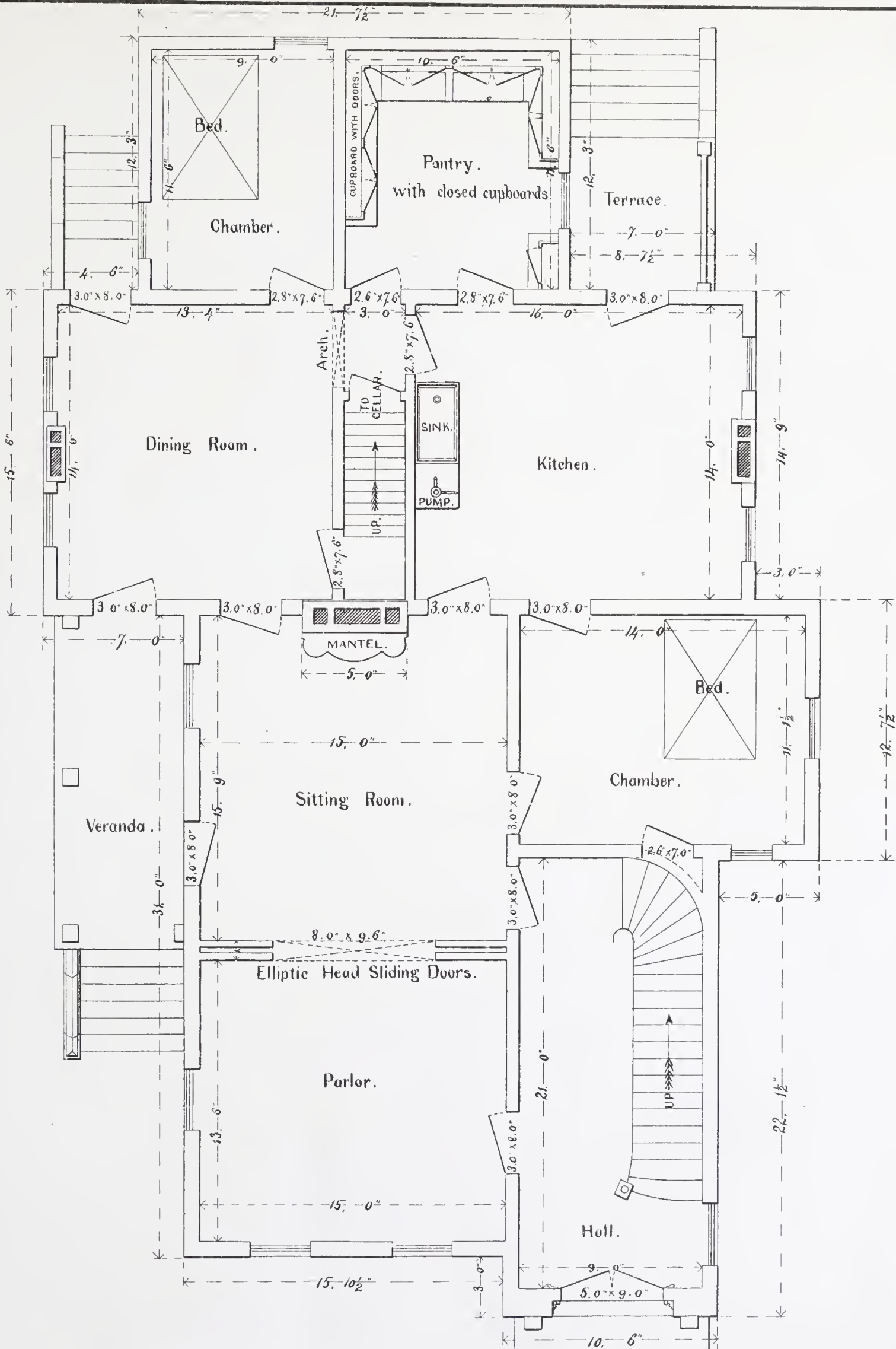




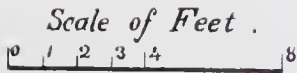
ELEVATION OF RESIDENCE EXECUTED IN SARATOGA, N.Y.

SCALE OF FEET.
0 1 2 3 4 8

G.B. CROFF, ARCHITECT, SARATOGA, N.Y.



FIRST FLOOR PLAN
of Plate No. 53.



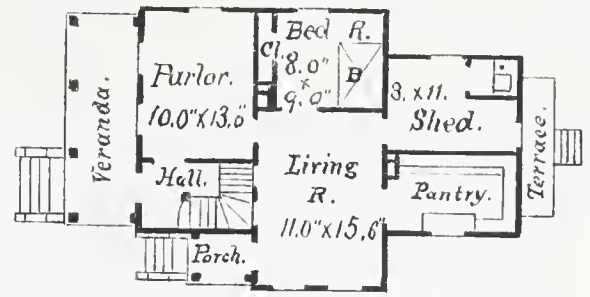


ELEVATION OF IRON COMPANY'S OFFICE AT PORT HENRY, N.Y.

BRICK, WITH IRON TRIMMINGS.

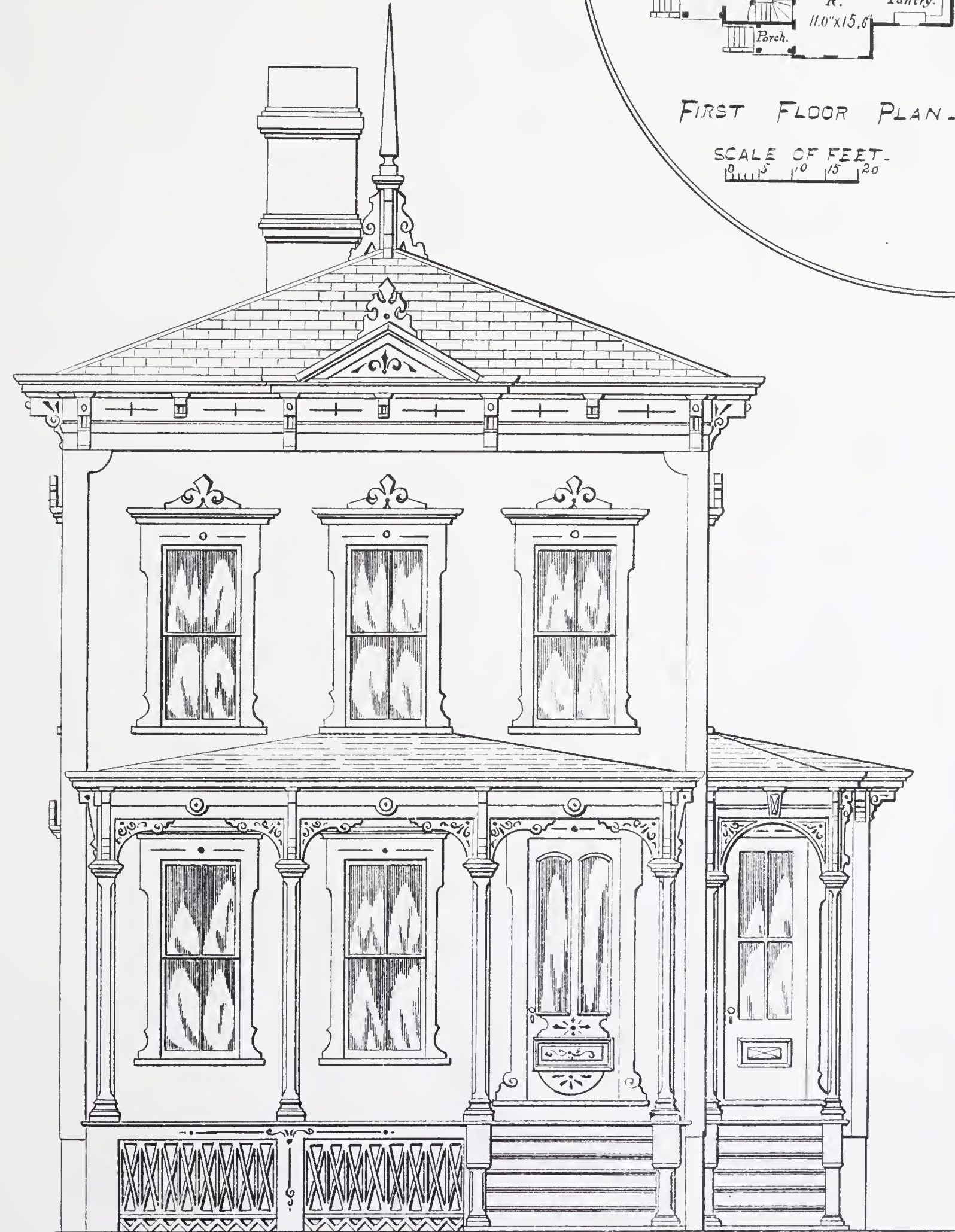
G.B. CROFF, ARCH'T, SARATOGA, N.Y.

Scale of Feet.
0 1 2 3 4 8



FIRST FLOOR PLAN.

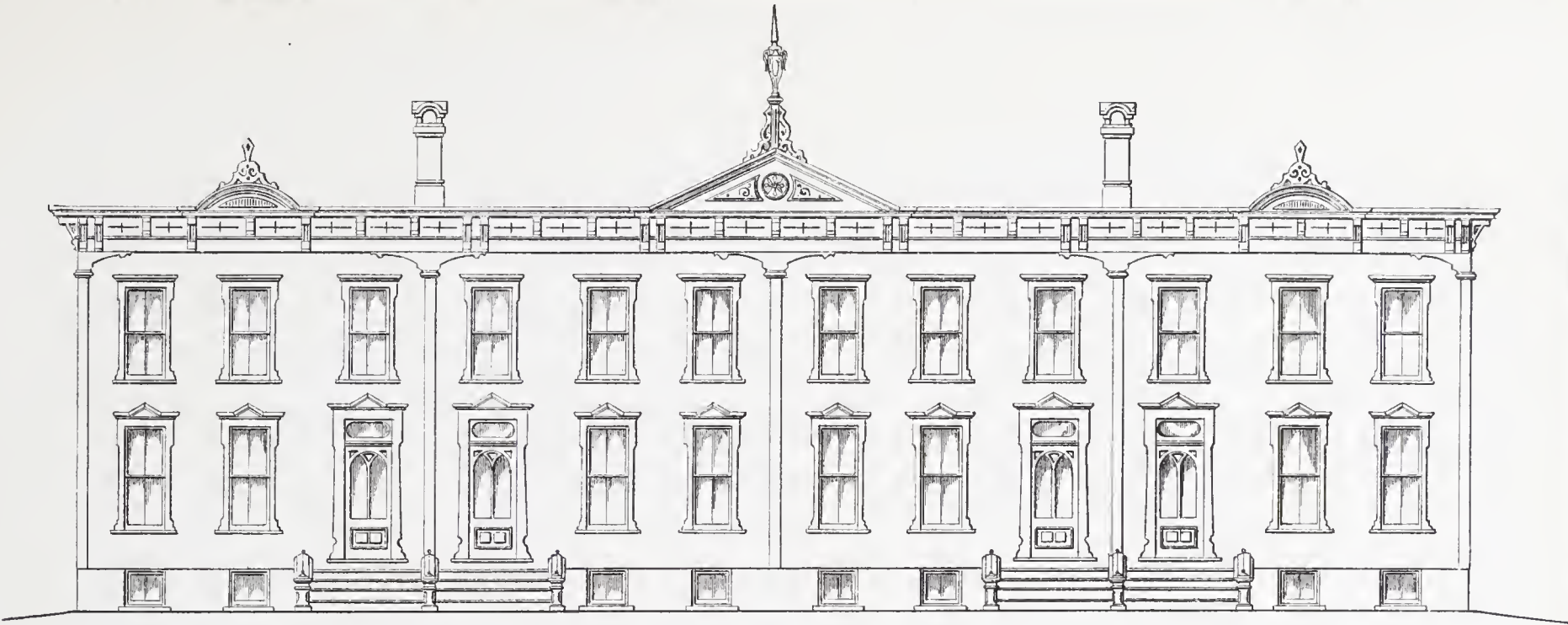
SCALE OF FEET.
0 5 10 15 20



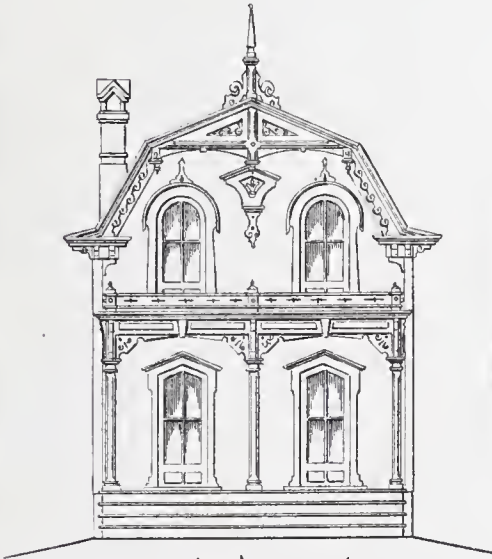
FRONT ELEVATION OF COTTAGE, BUILT AT PHILMONT, N.Y.

Scale of Feet.
0 1 2 3 4 8

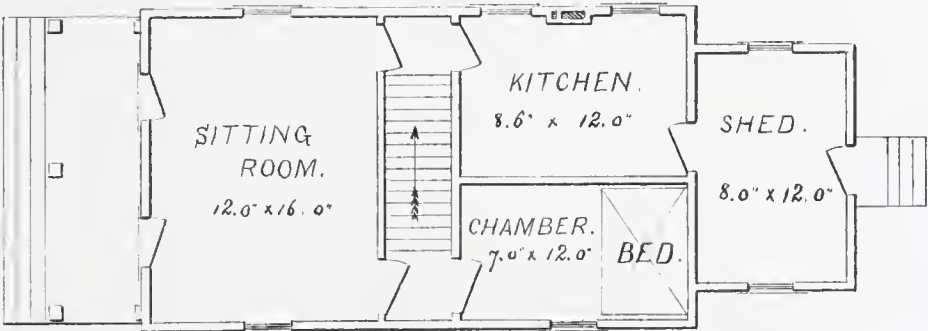
G. B. CROFF, ARCH'T, SARATOGA, N.Y.



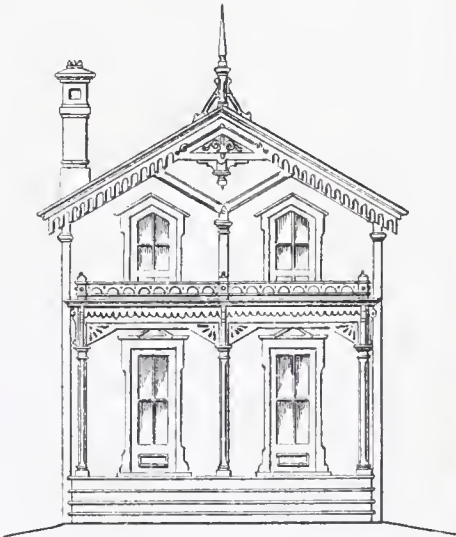
FRONT ELEVATION OF A BLOCK OF TENEMENTS, ERECTED AT PHILMONT, N. Y.



ELEVATION.

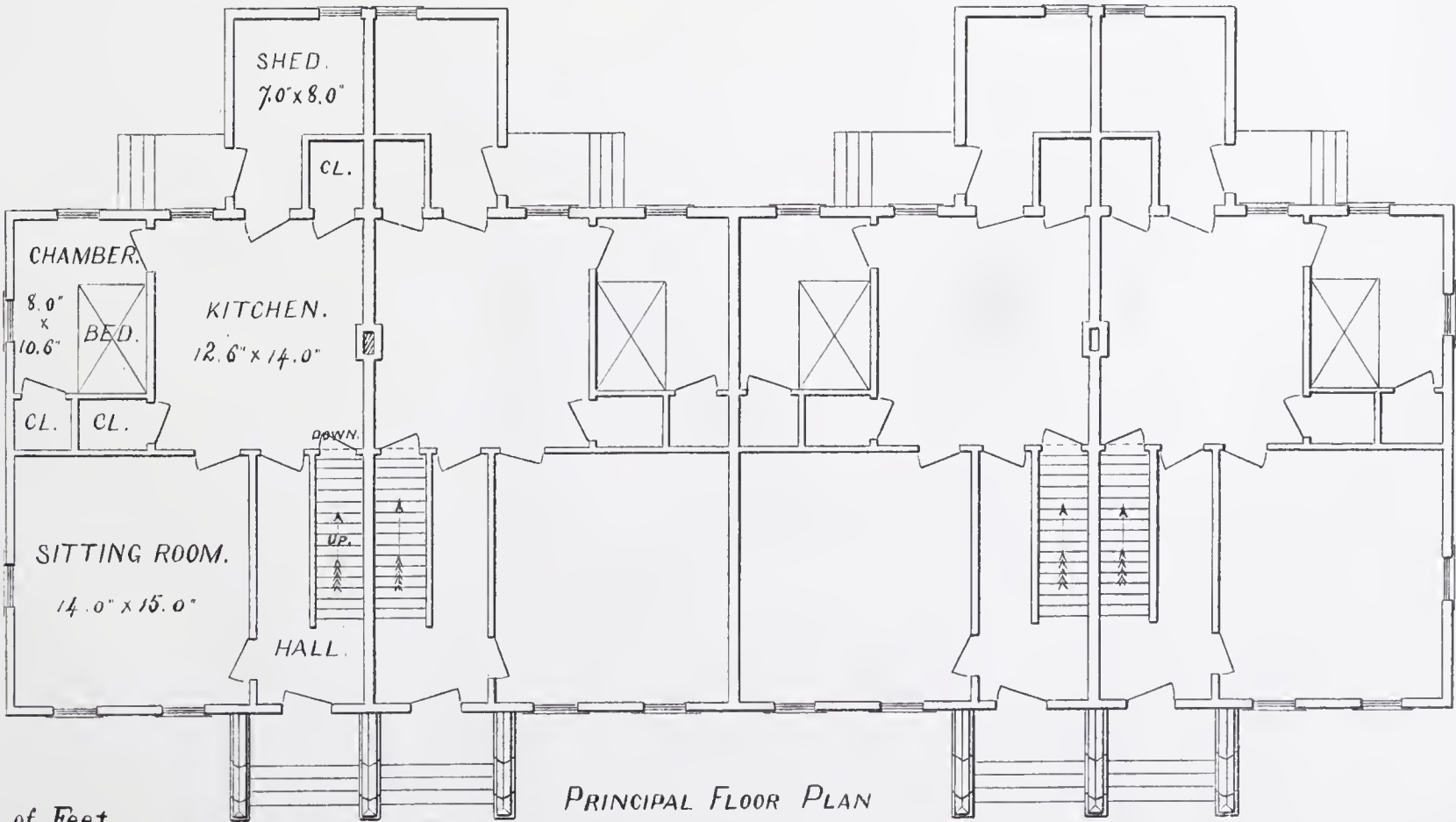


FIRST FLOOR PLAN.



ELEVATION.

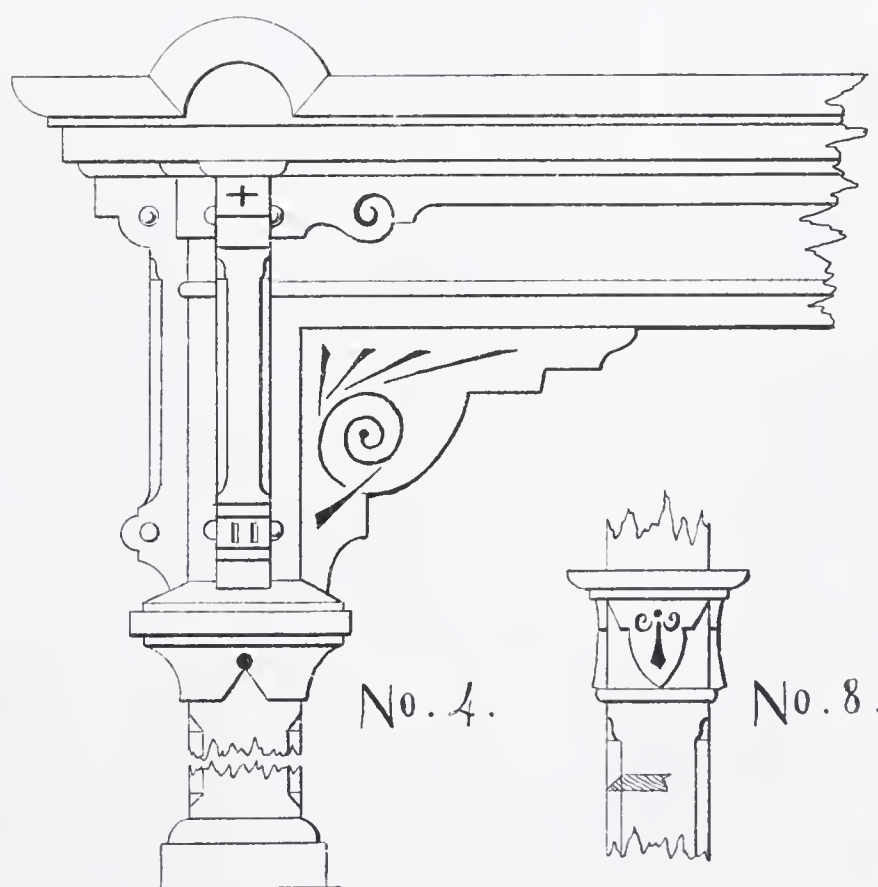
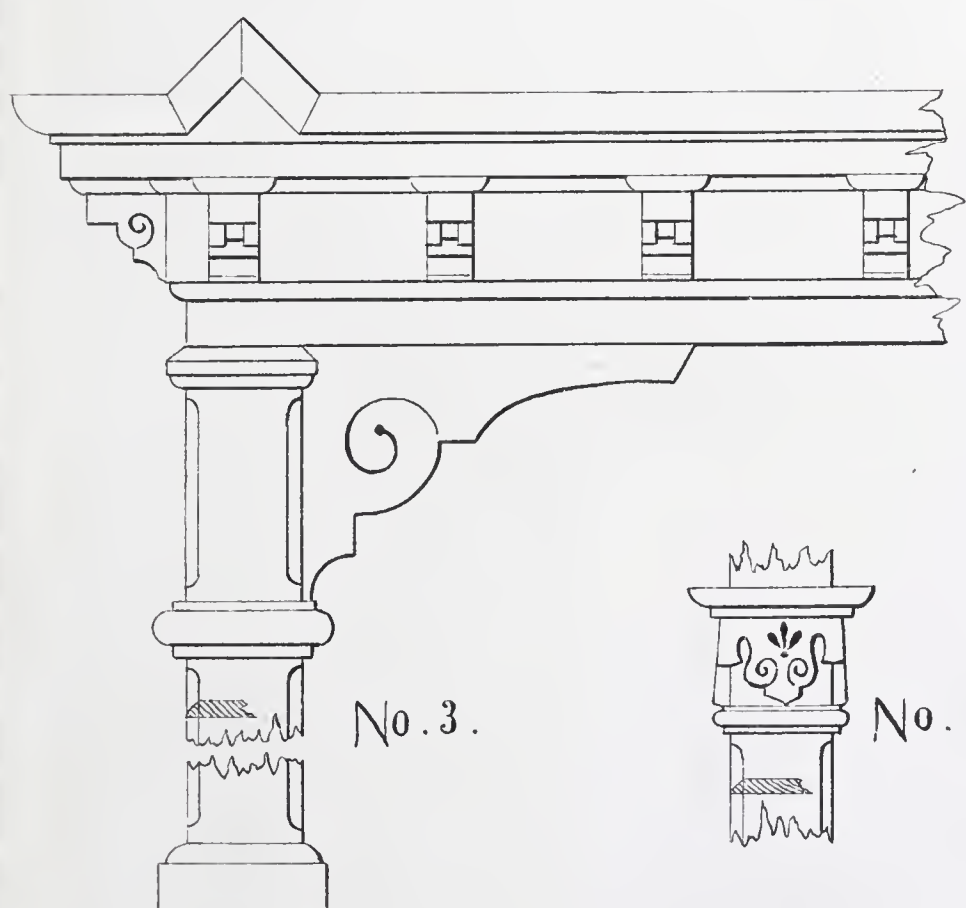
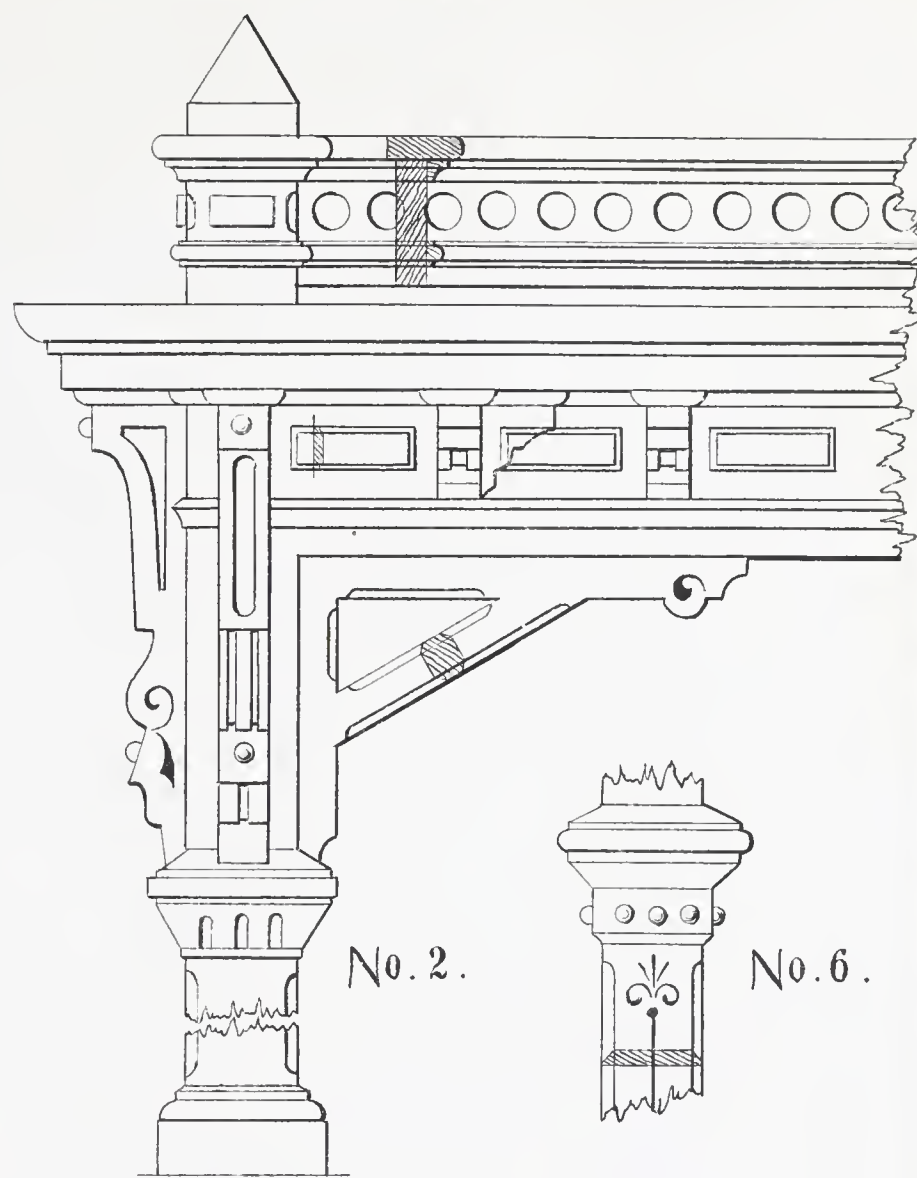
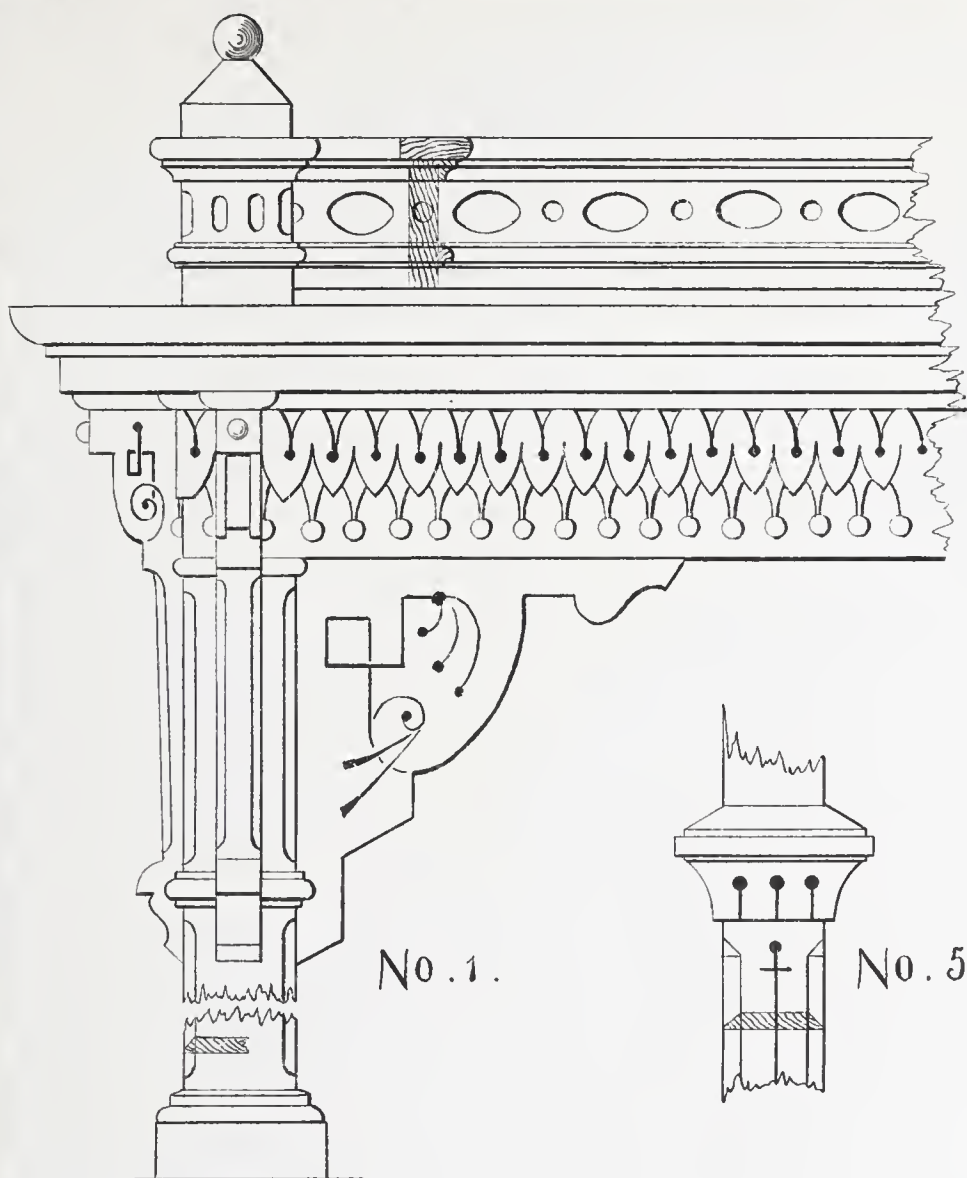
PLAN AND ELEVATION OF SEA-SIDE COTTAGES,
PREPARED FOR ERECTION AT NANTUCKET, MASS.



PRINCIPAL FLOOR PLAN
OF TENEMENTS AT PHILMONT, N. Y.

Scale of Feet.
0 1 2 3 4 8 16

G. B. CROFF, ARCHT., SARATOGA, N. Y.

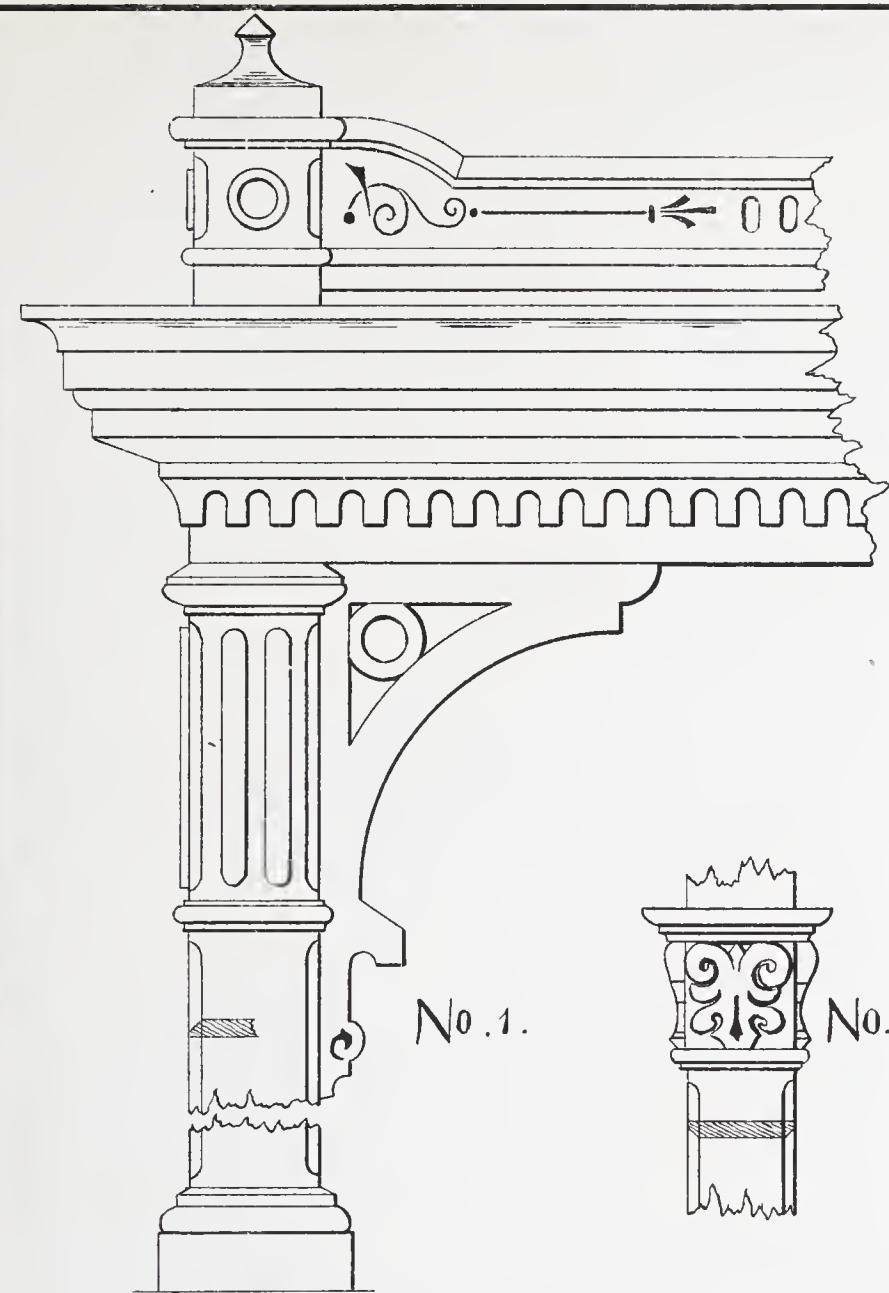


This Plate contains Four Designs for Verandas, - Nos. 1 and 2 especially pleasing. Nos. 3 and 4 of more ordinary conception.

Nos. 5, 6, 7, 8 are designs of Capitals, suitable for either design given on this plate.

Scale. $\frac{3}{4}$ inch, one foot.

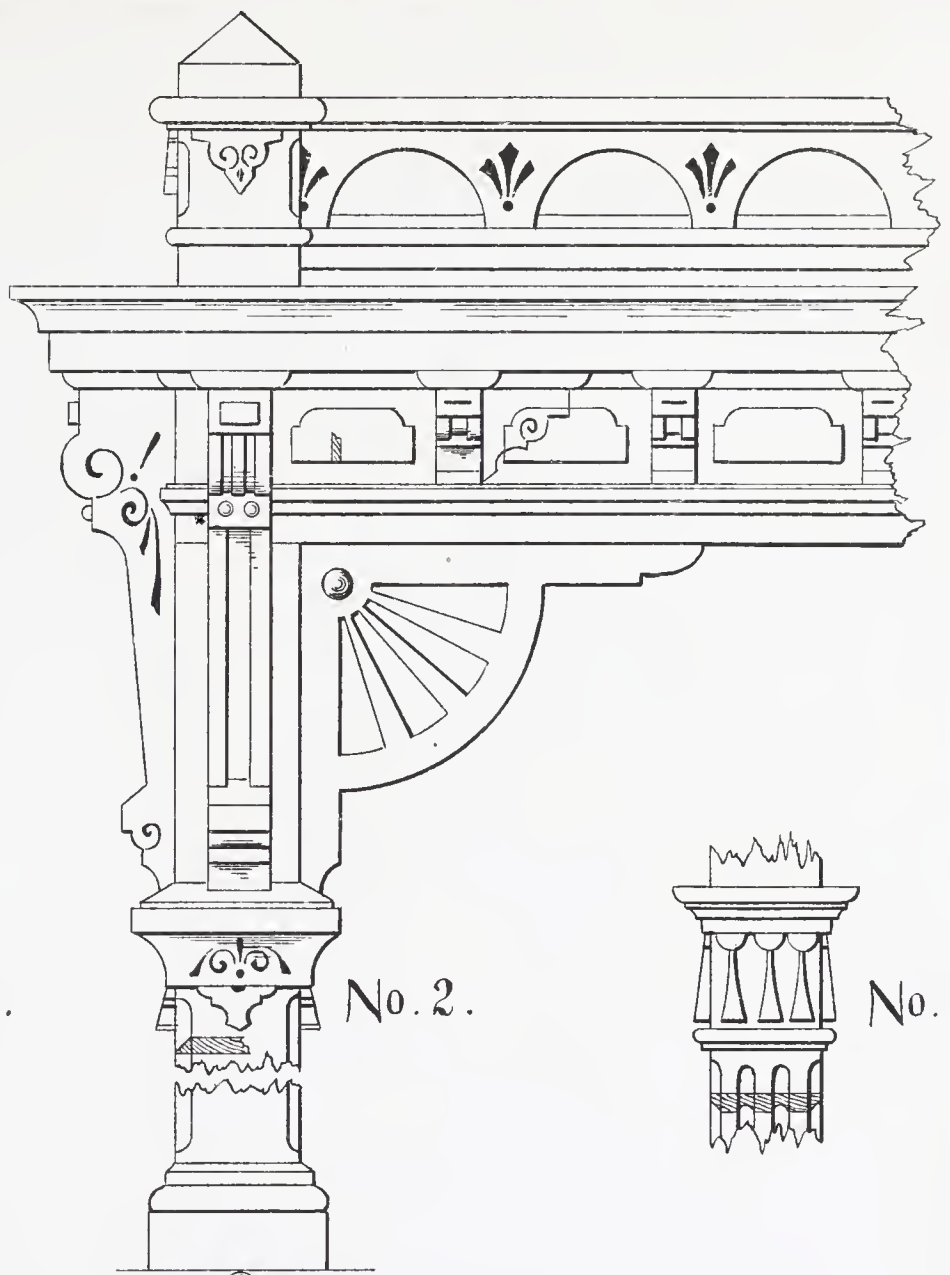
G. B. CROFF, ARCH'T, SARATOGA, N. Y.



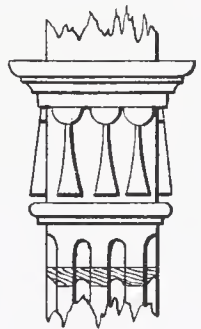
No. 1.



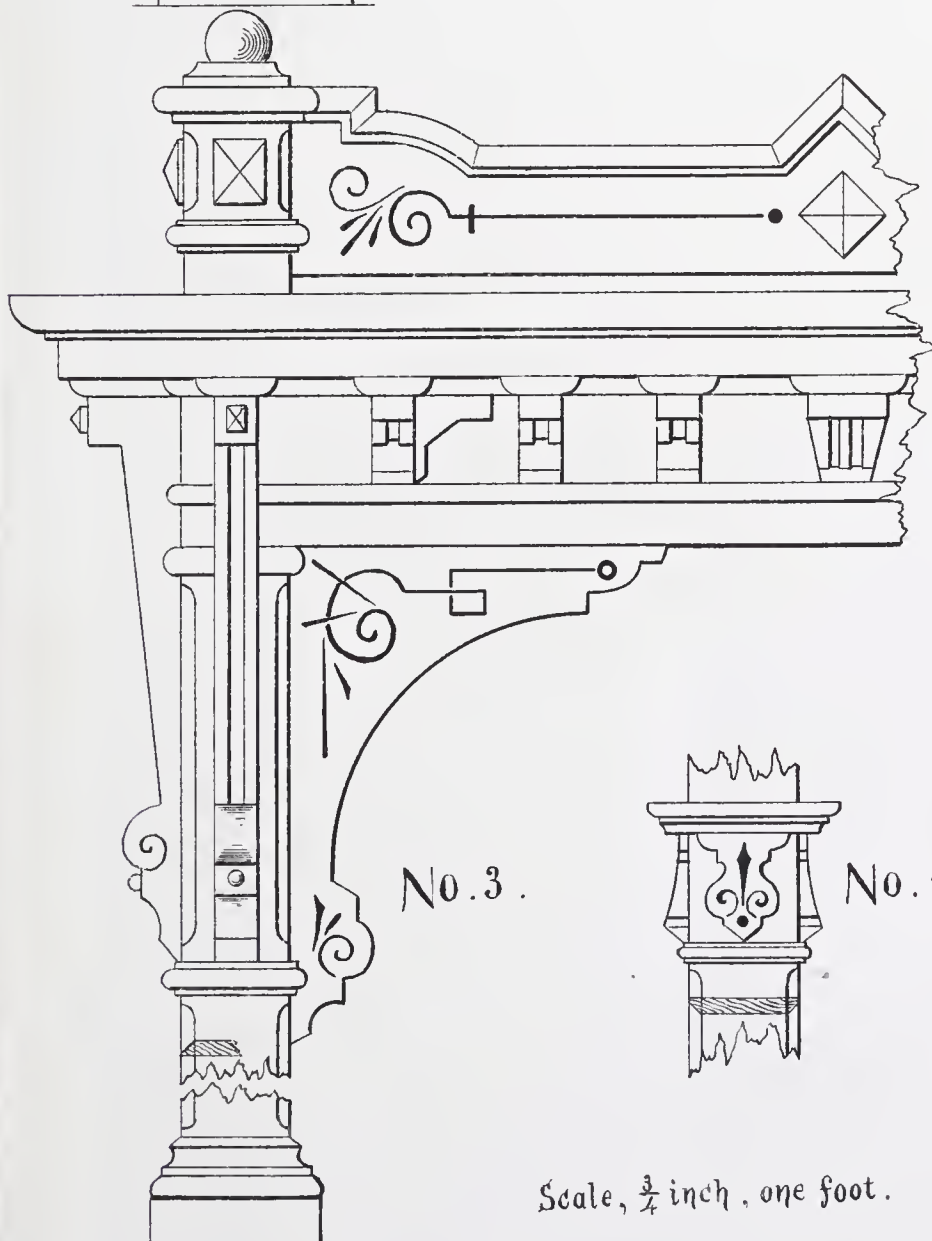
No. 5.



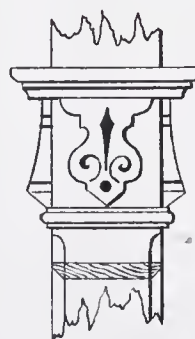
No. 2.



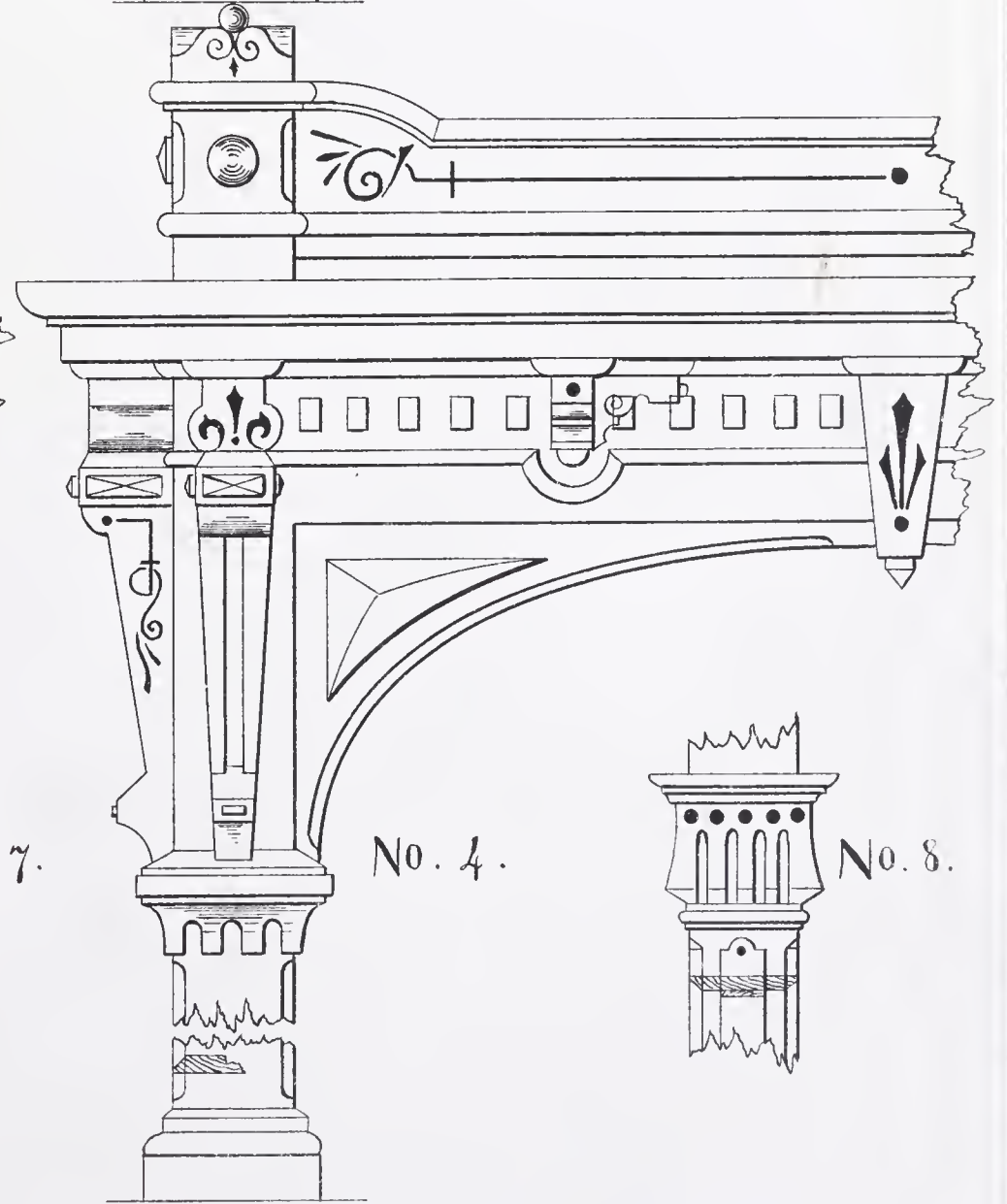
No. 6.



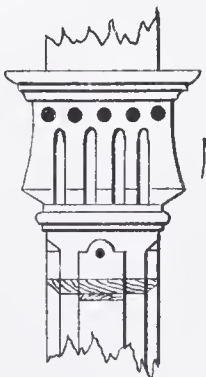
No. 3.



No. 7.



No. 4.



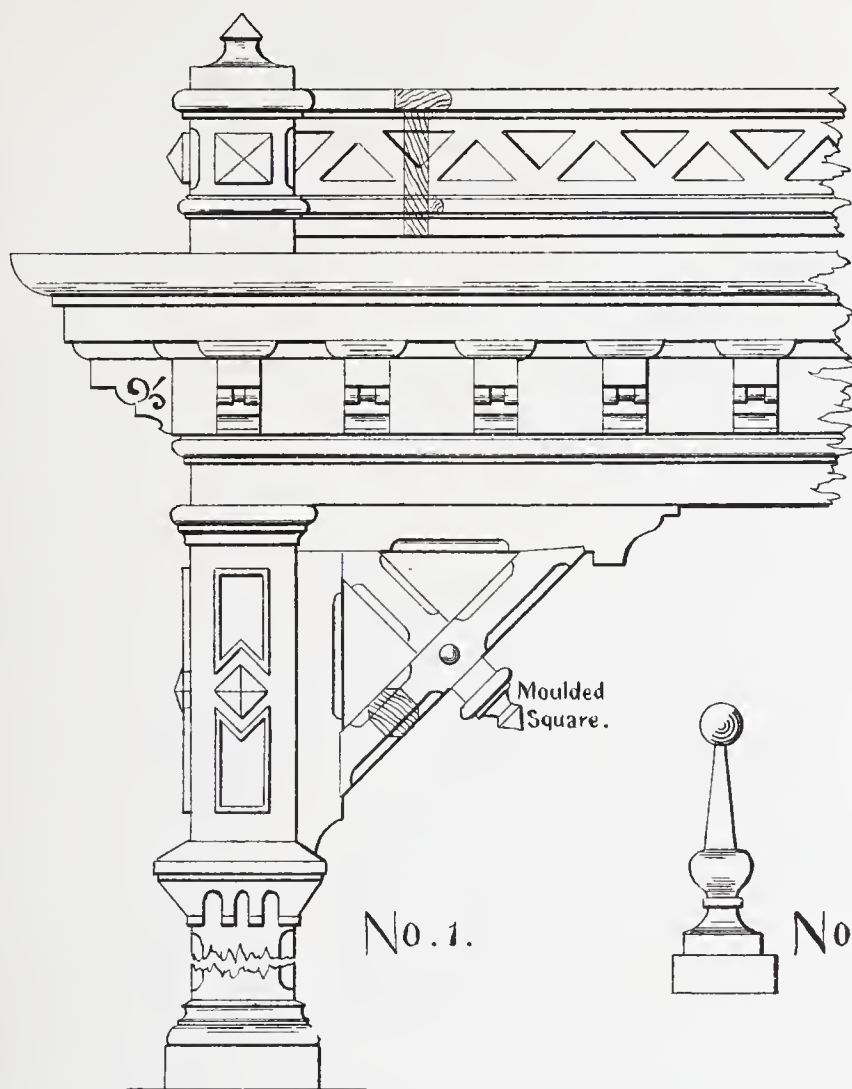
No. 8.

Scale, $\frac{3}{4}$ inch, one foot.

Nos. 1, 2, 3, 4, are designs for elaborate and beautiful Verandas.

Nos. 5, 6, 7, 8, are capitals, which may be employed instead of any here given.

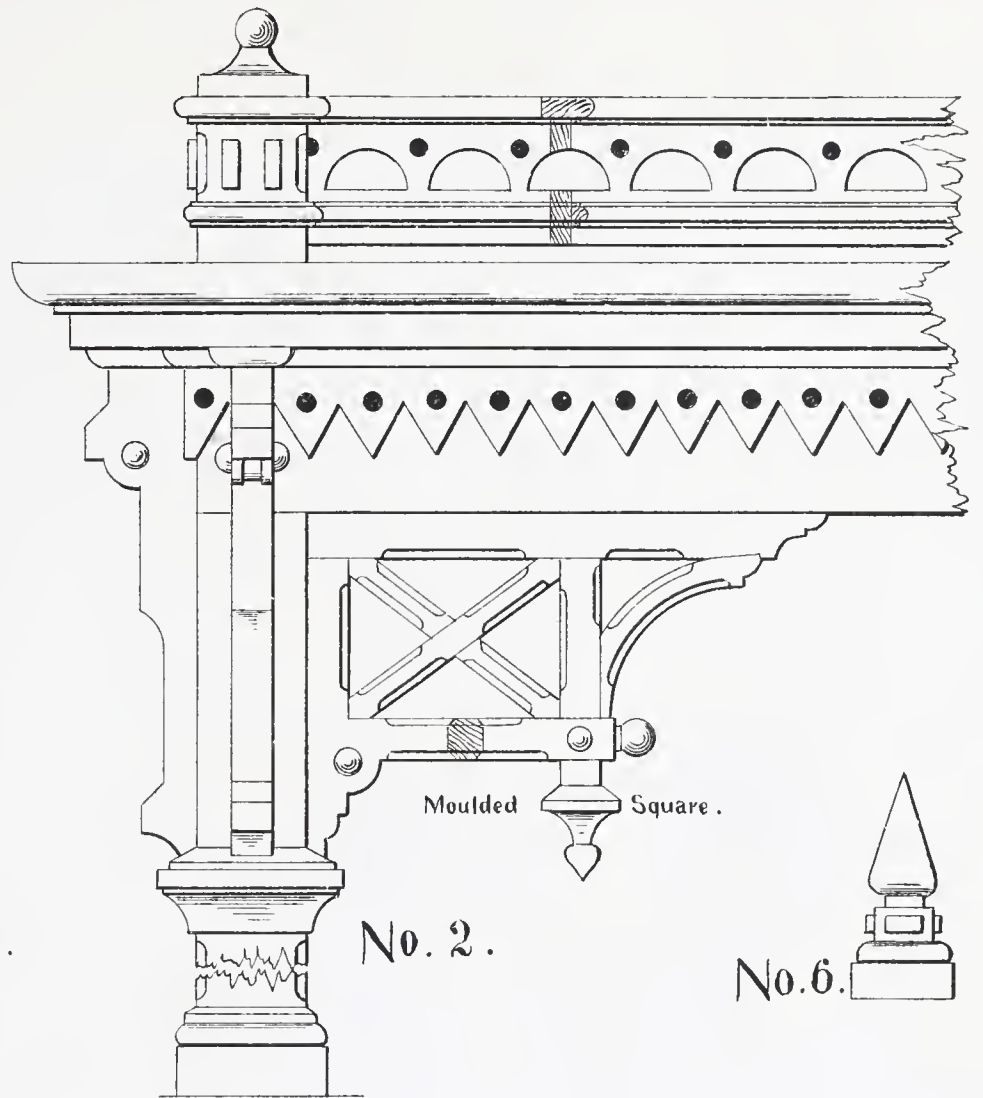
G. B. GROFF, ARCHT. SARATOGA, N.Y.



No. 1.



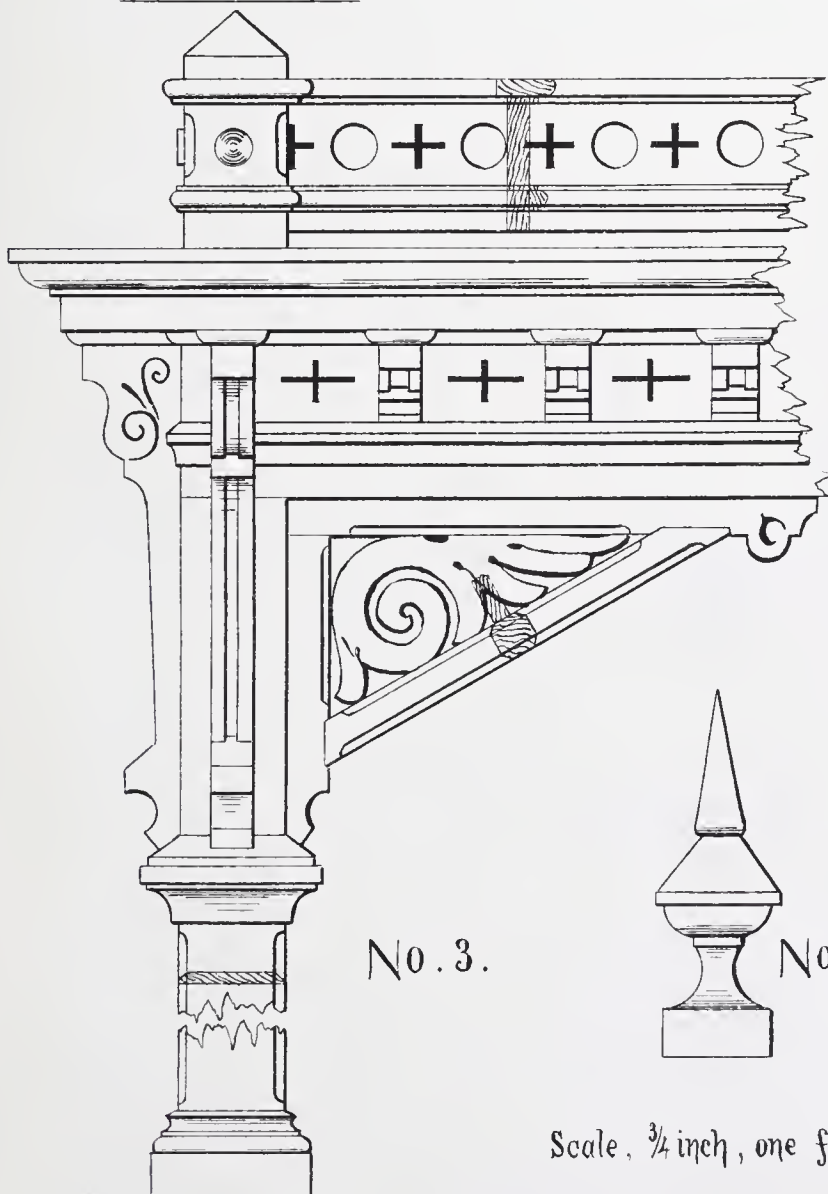
No. 5.



No. 2.



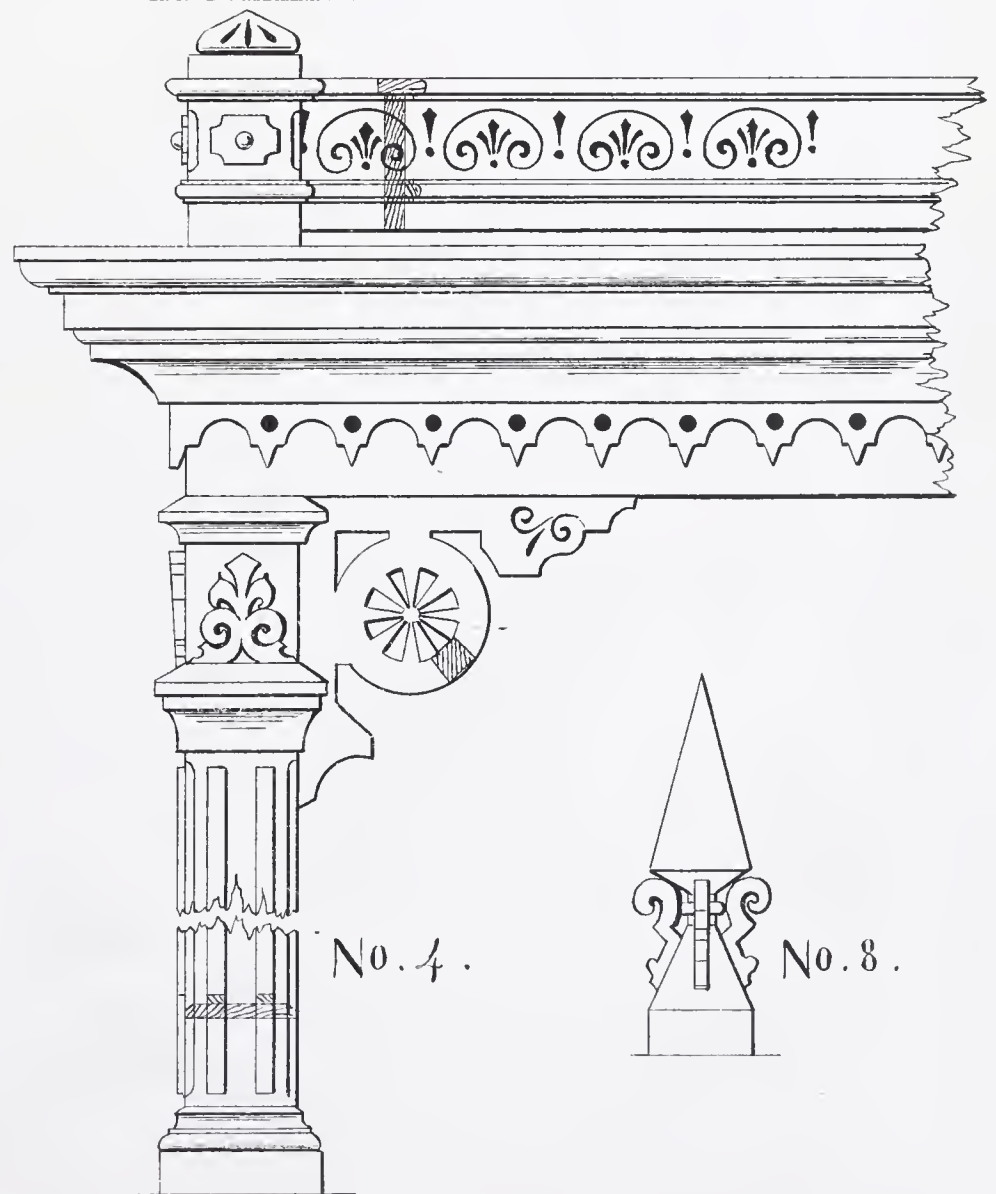
No. 6.



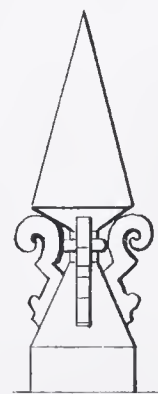
No. 3.



No. 7.



No. 4.

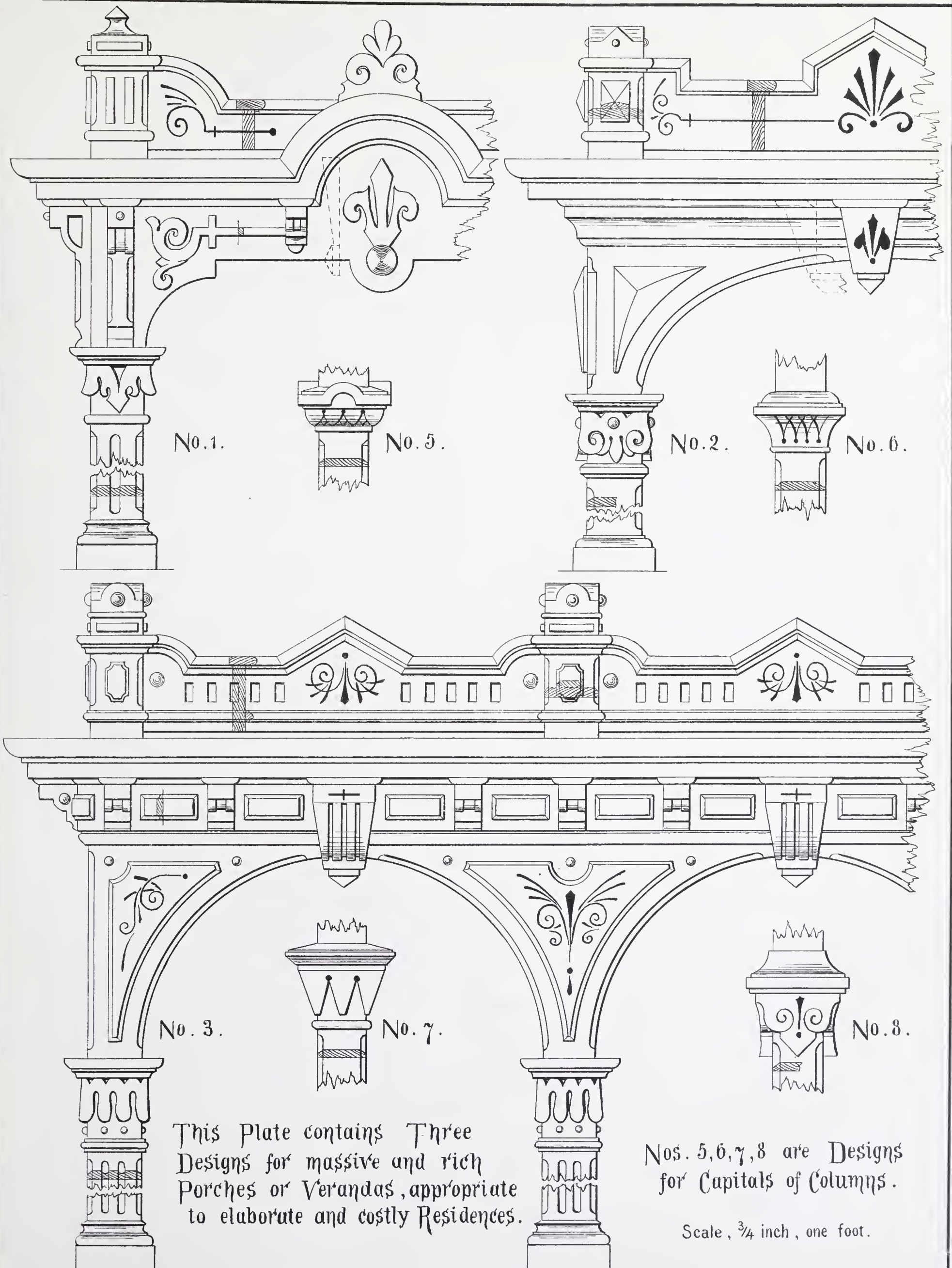


No. 8.

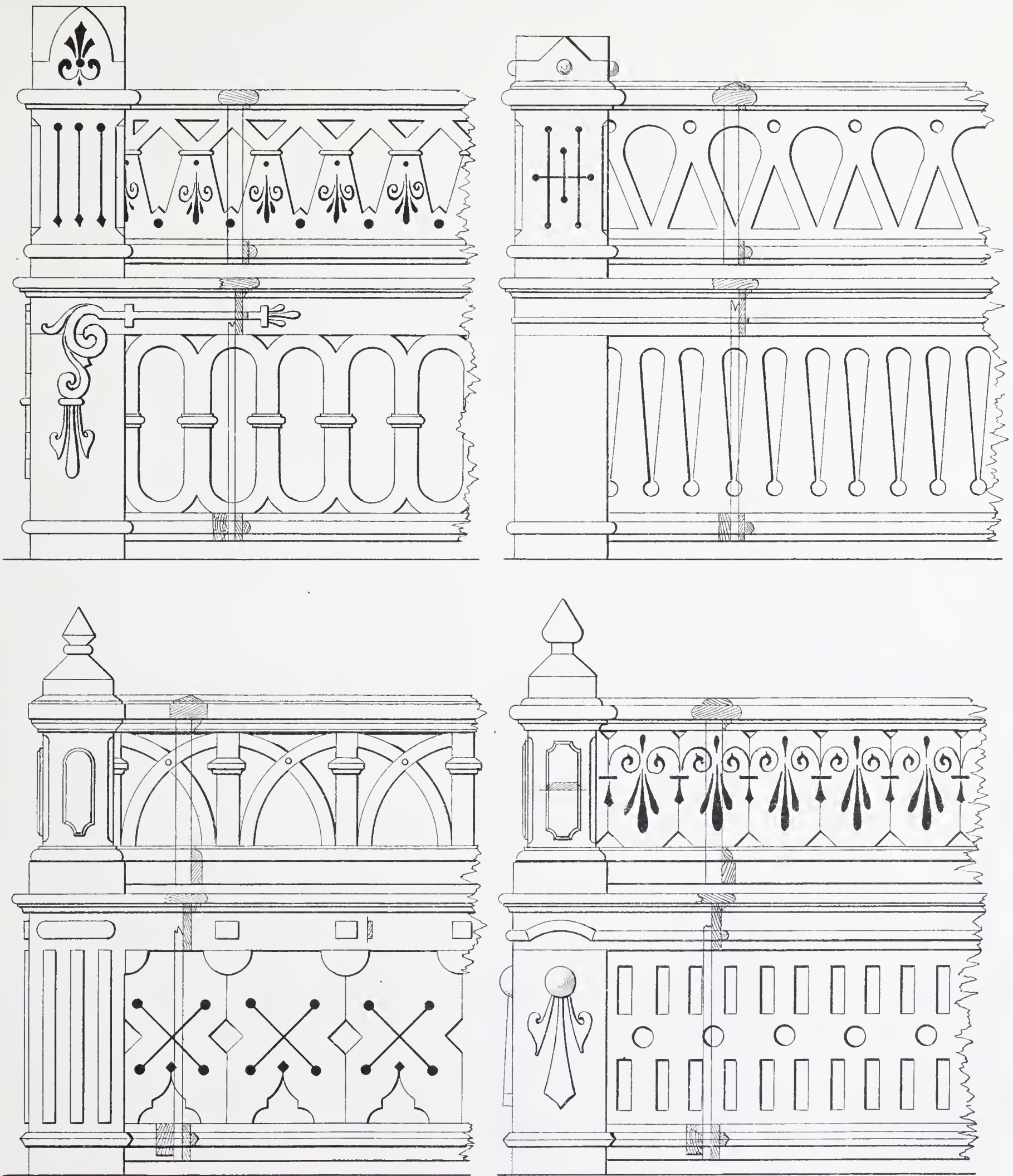
Scale, $\frac{3}{4}$ inch, one foot.

This Plate contains Four Designs for Verandas, original and quite pleasing in conception.

Nos. 5, 6, 7, 8 are urns, or terminals for balustrade columns, where the lower, or flat terminal is not harmonious with its surroundings. G. B. CROFF, ARCH'T, SARATOGA, N. Y.



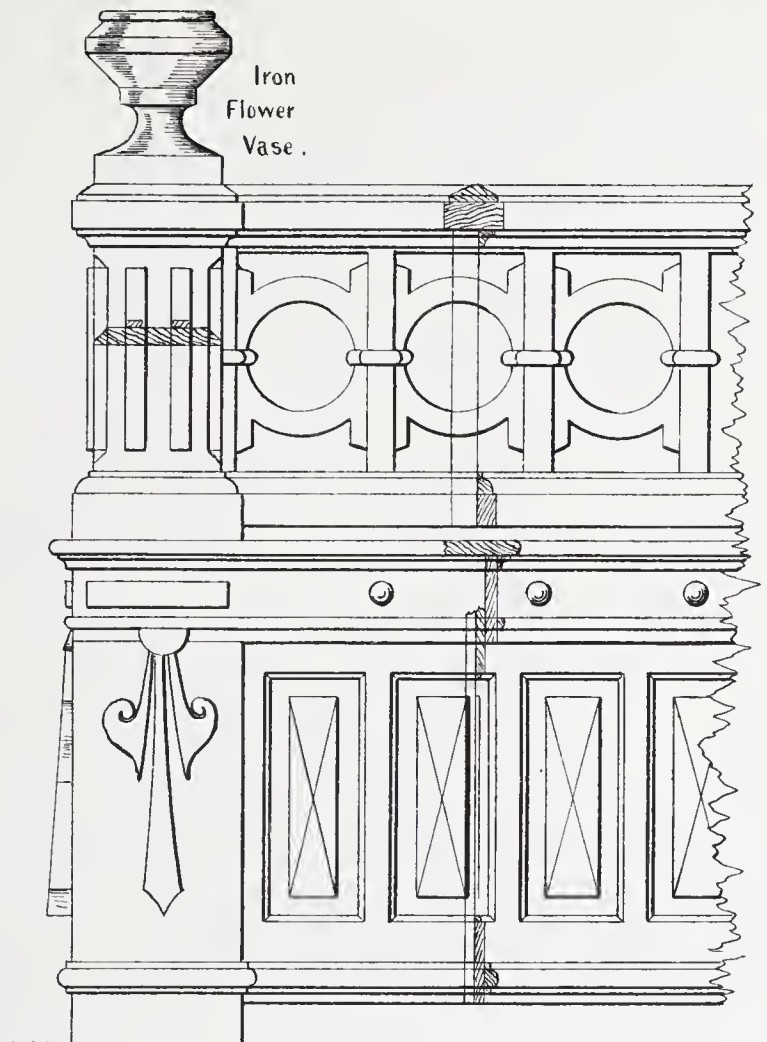
G. B. CROFF, ARCH'T, SARATOGA, N. Y.



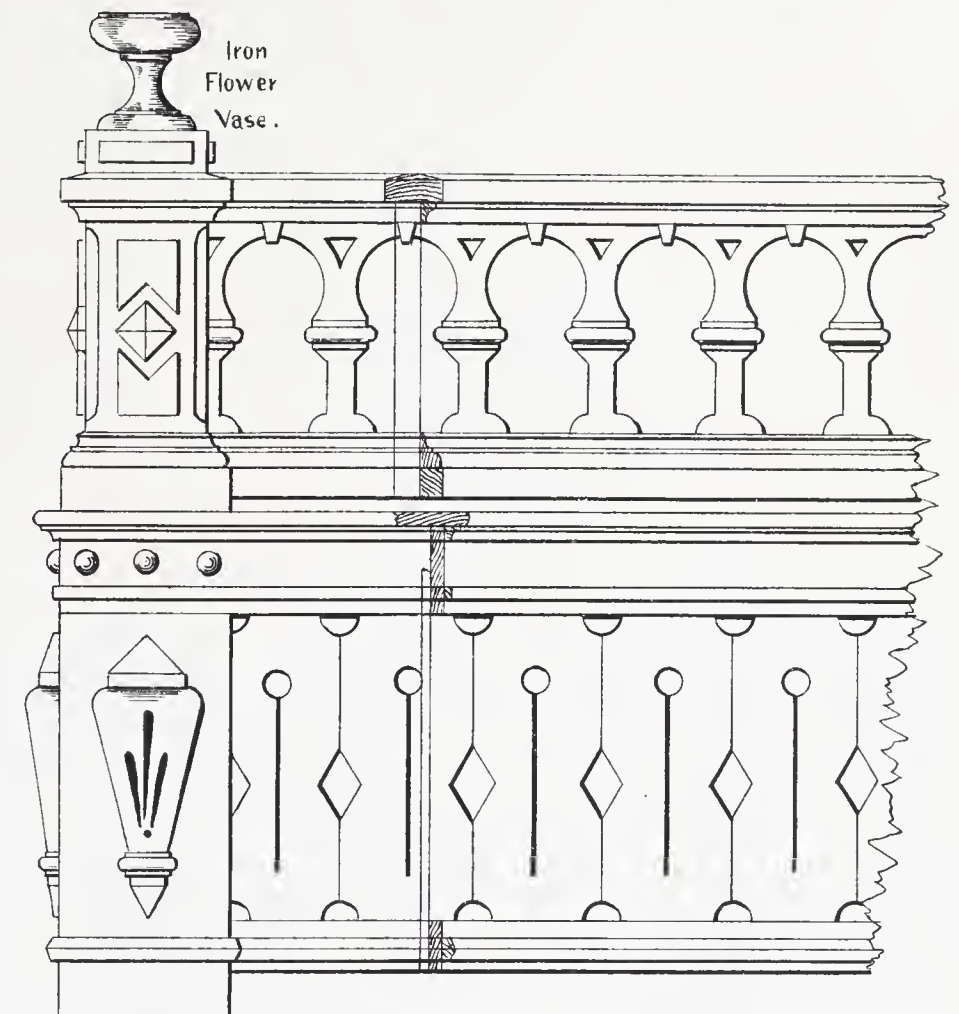
This Plate contains Four Designs of Balconies, with wooden grating below them, to be employed similarly to those on preceding page, See description.

Scale, $\frac{3}{4}$ inch, one foot.

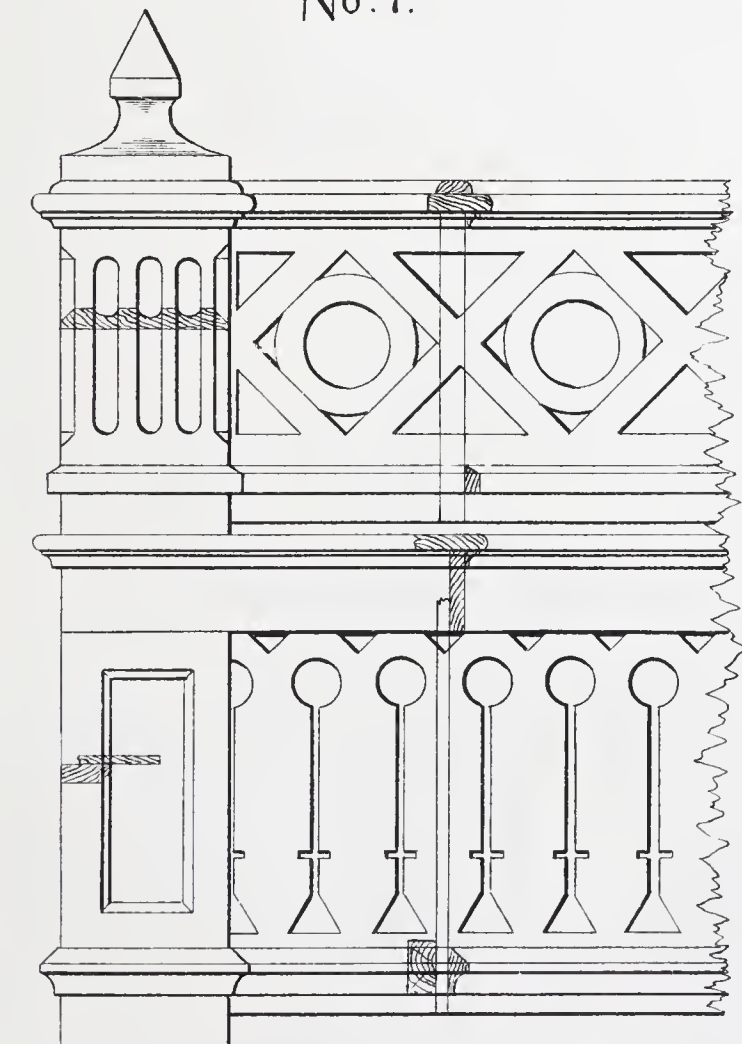
G. B. Croff, Architect, Saratoga, N. Y.



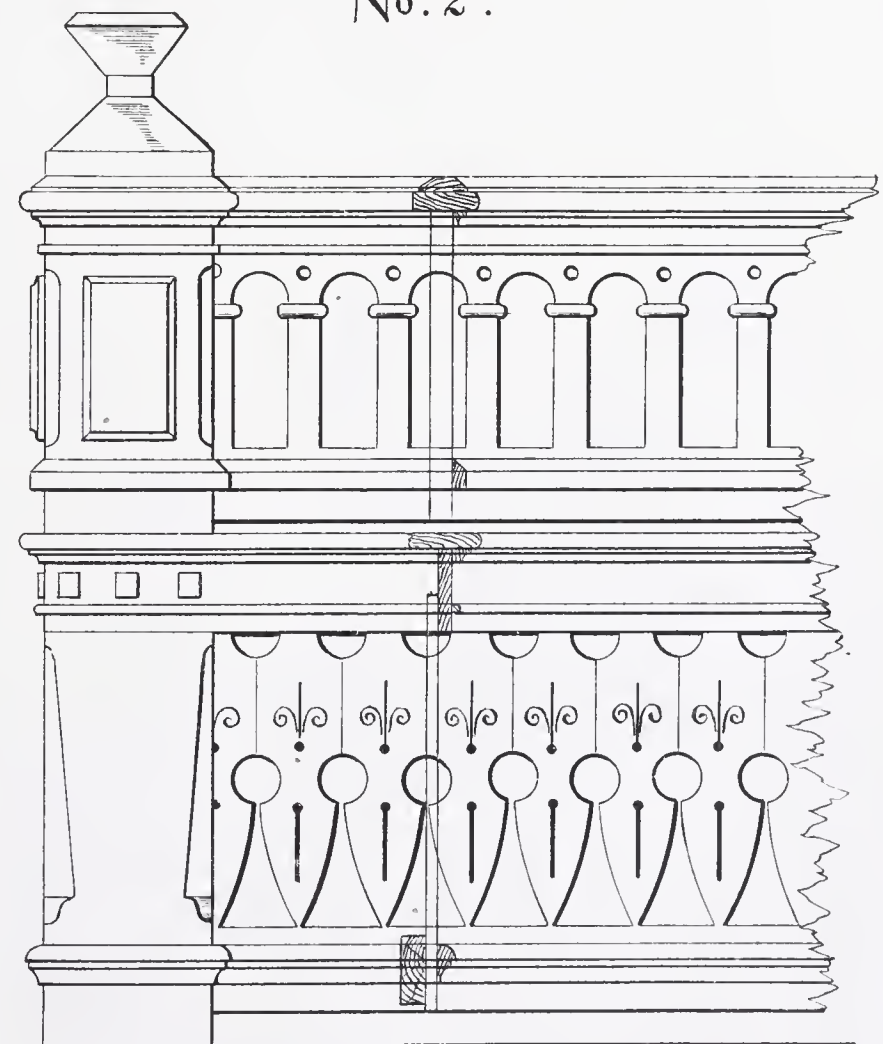
No. 1.



No. 2.



No. 3.



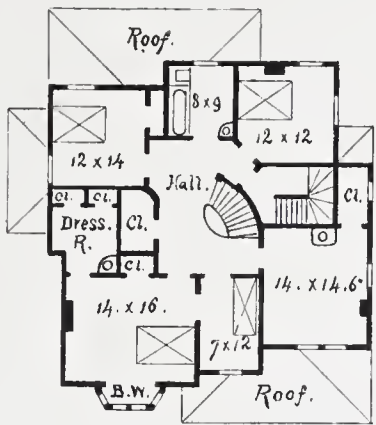
No. 4.

This Plate contains Four Designs for Balconies, with open wooden gratings below the floor, to be employed at 1st Story openings.

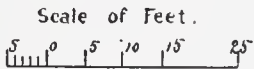
The same railings and gratings may be employed on Verandas and Porches, and the balustrades, on suspended balconies, on upper stories.

Scale, $\frac{3}{4}$ inch, one foot.

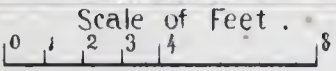
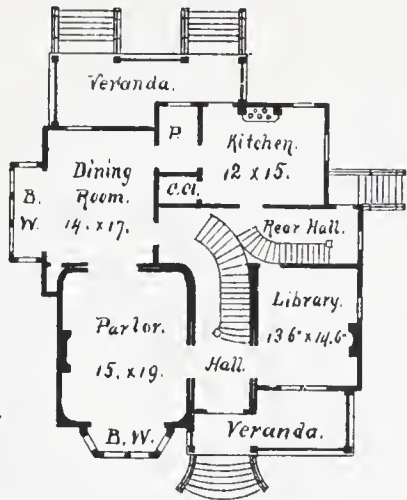
G. B. Croff, Arch't, Saratoga, N.Y.



Second Floor Plan.

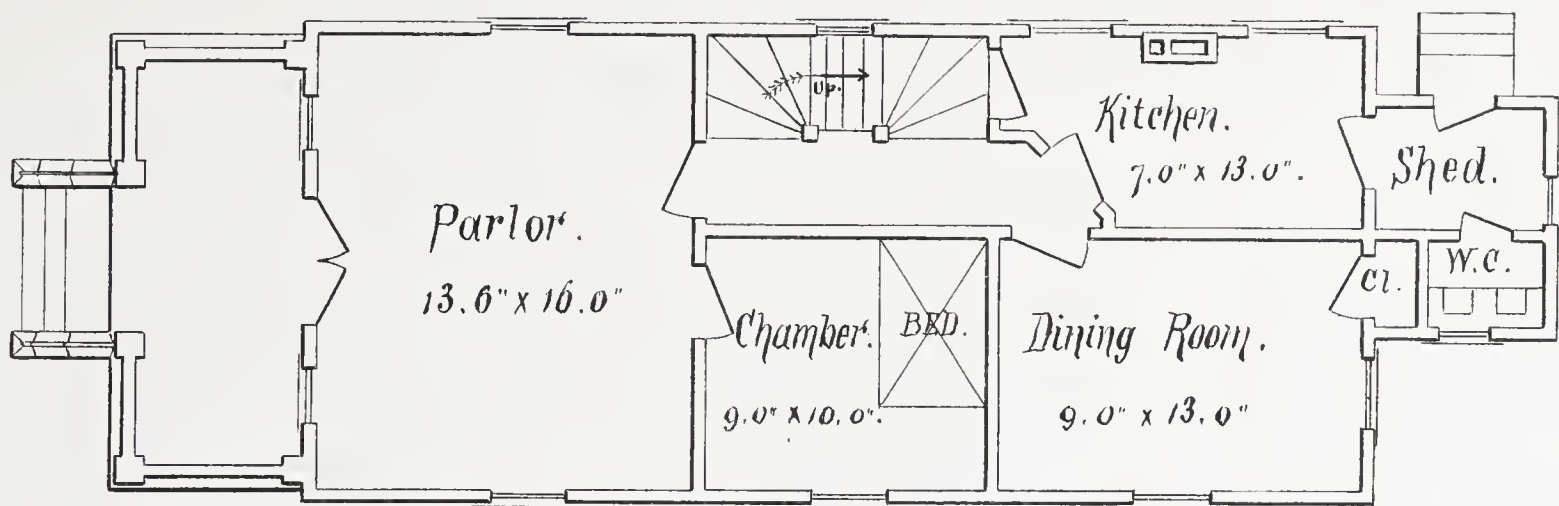


Principal Floor Plan.



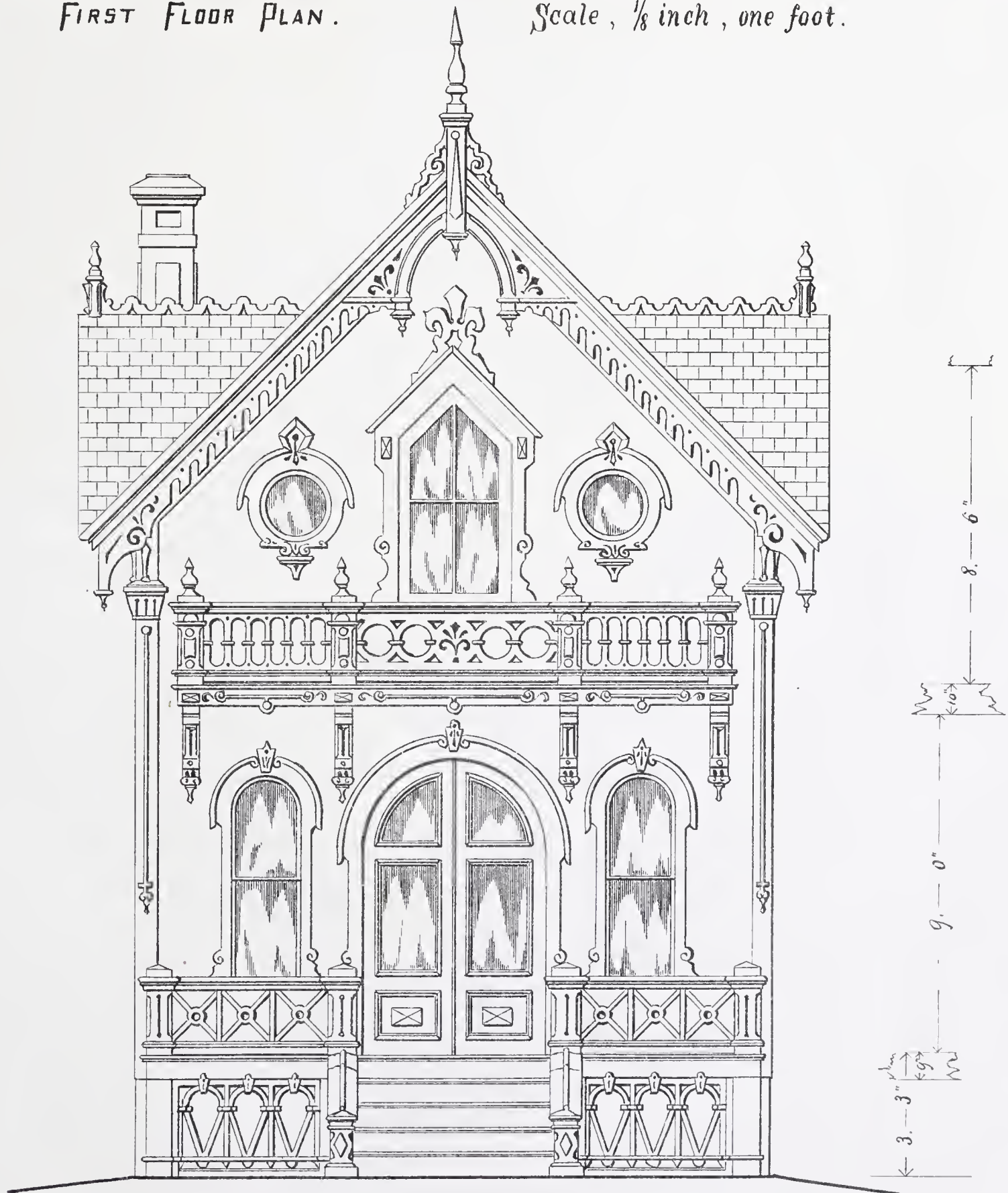
COTTAGE ERECTED AT HUDSON, N.Y.

G. B. CROFF, Architect, SARATOGA, N.Y.



FIRST FLOOR PLAN.

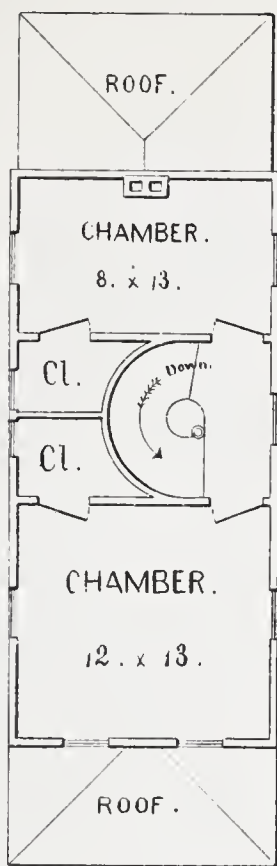
Scale, $\frac{1}{8}$ inch, one foot.



FRONT ELEVATION OF SEA-SIDE OR CAMP-GROUND COTTAGE,
prepared for execution, at NANTUCKET, MASS.

Scale, $\frac{1}{4}$ inch, one foot.

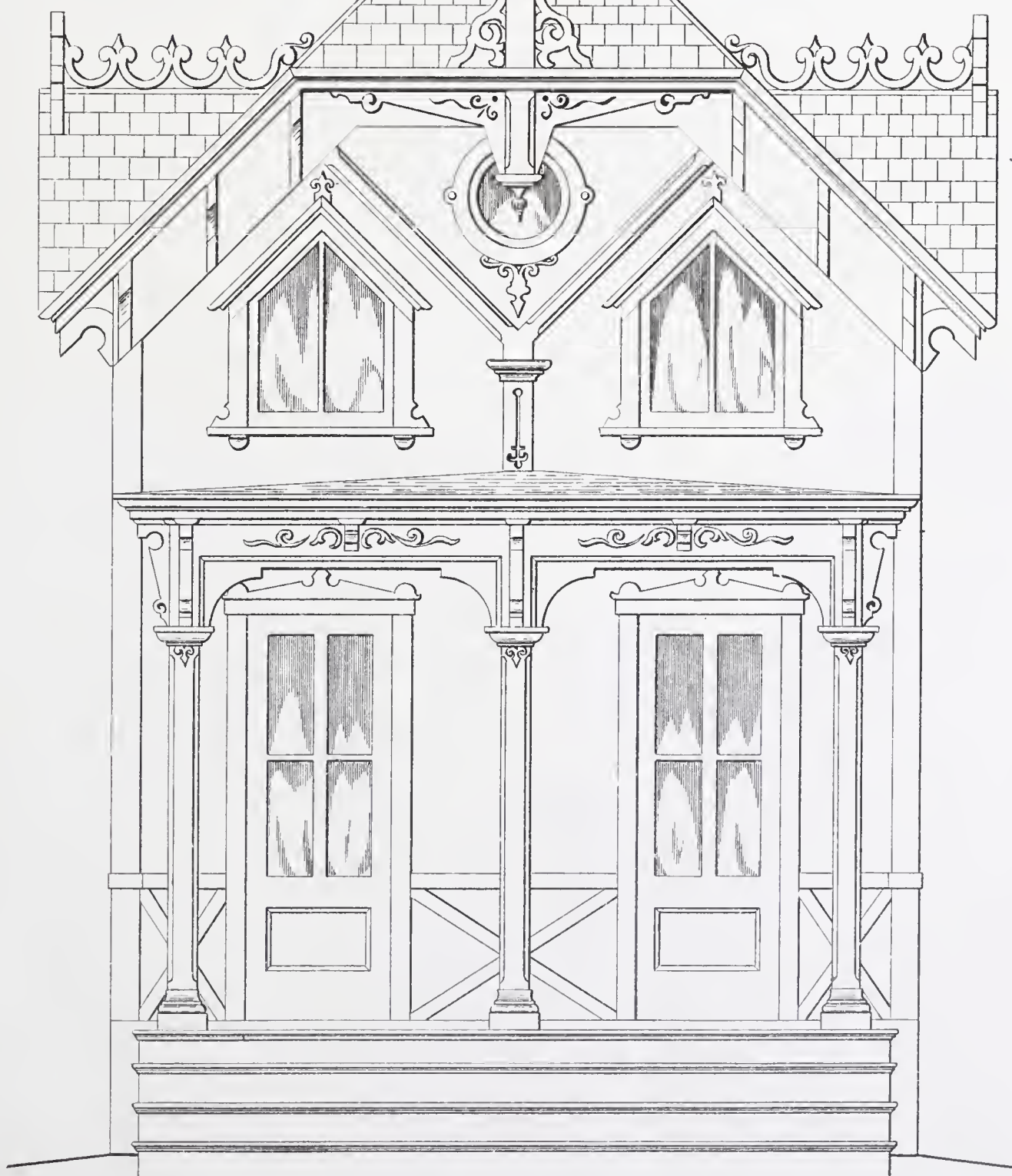
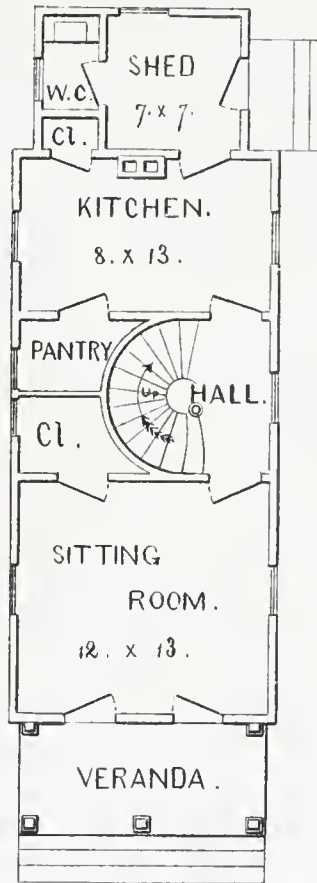
G. B. CROFF, ARCH'T, SARATOGA, N.Y.



SECOND FLOOR PLAN.

FIRST FLOOR PLAN.

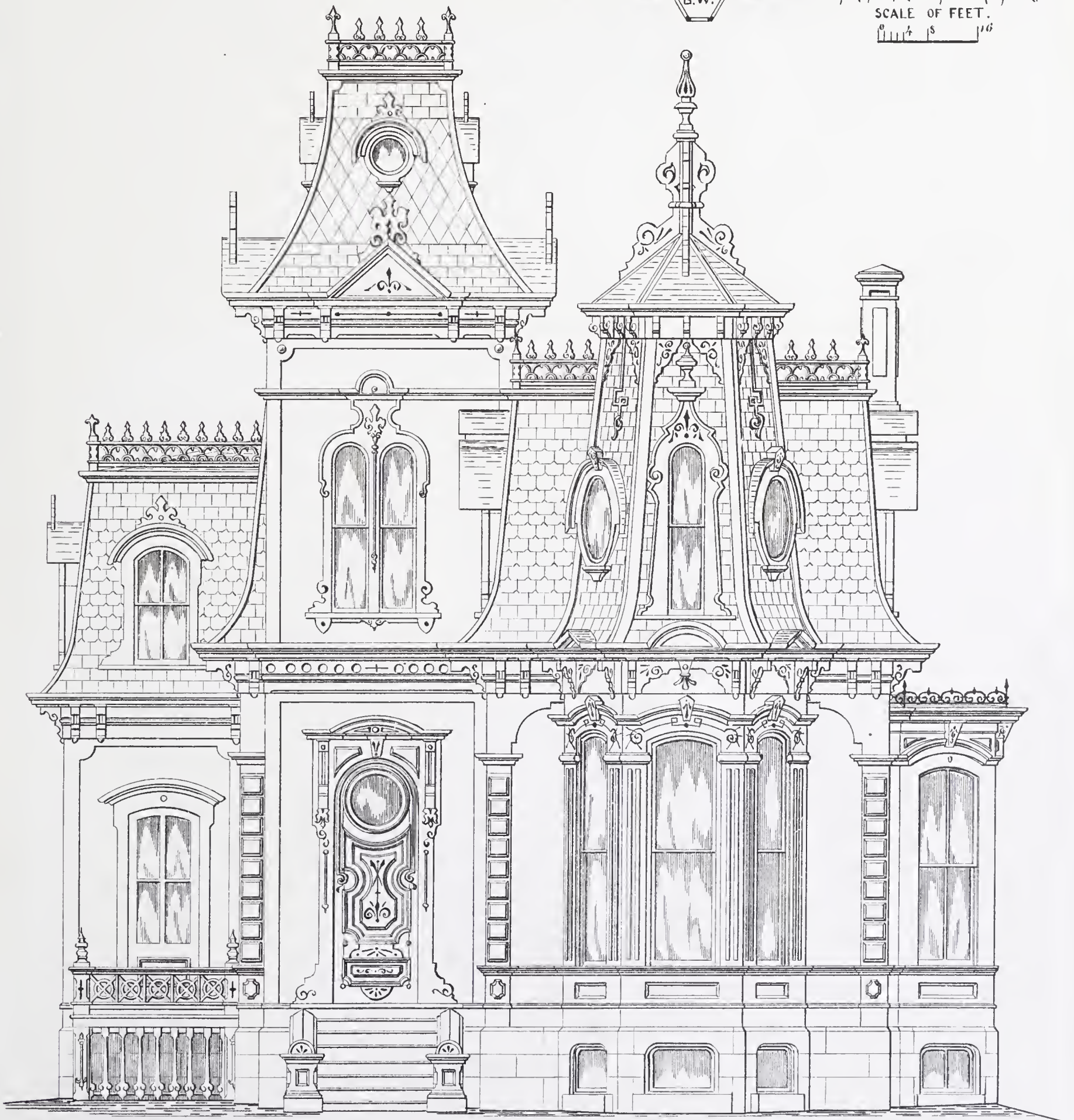
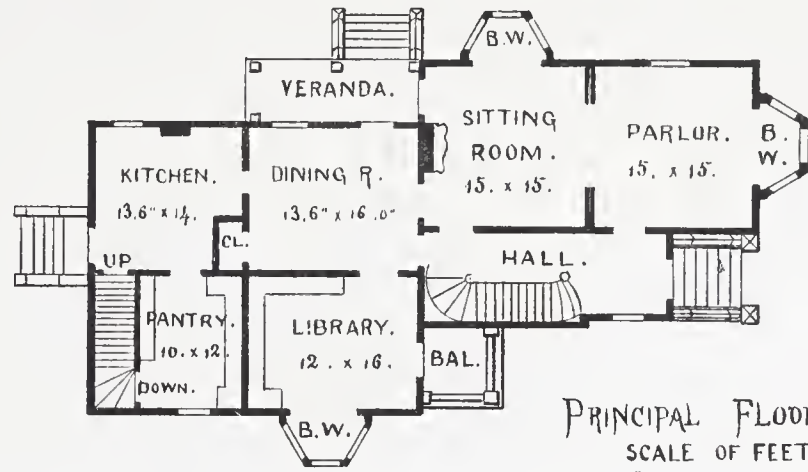
SCALE OF FEET.
0 1 2 3 4 5 6 7 8 9 10 11 12



Scale of Feet.
0 1 2 3 4

Design for a COTTAGE, erected on a Commanding Bluff, on the Eastern Shore of LAKE GEORGE, N. Y.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.

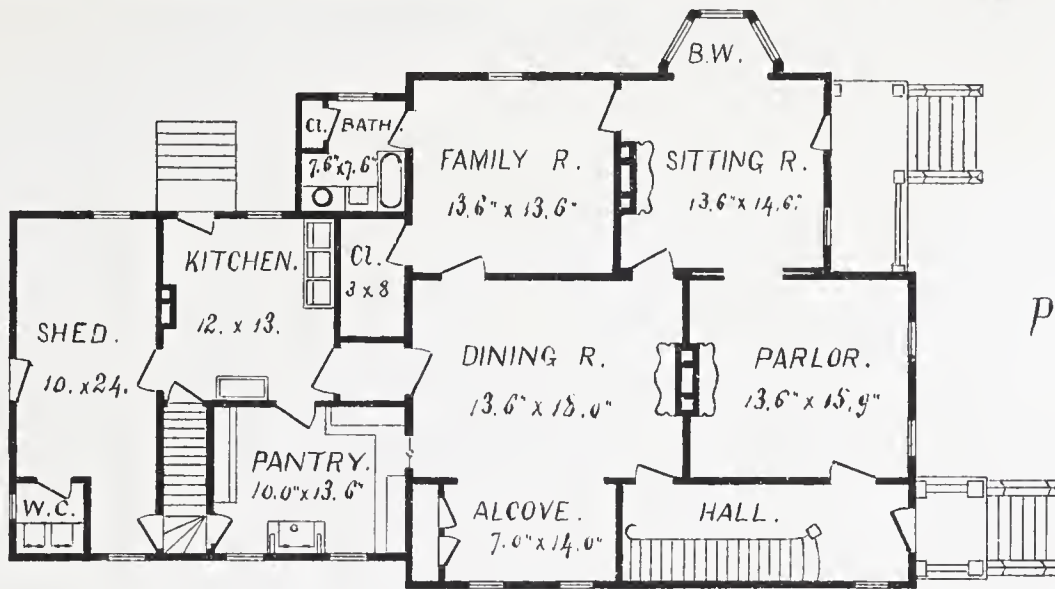


Design of an Elaborate and Picturesque COTTAGE .
ERECTED AT SARATOGA, N.Y.

Scale of Feet.

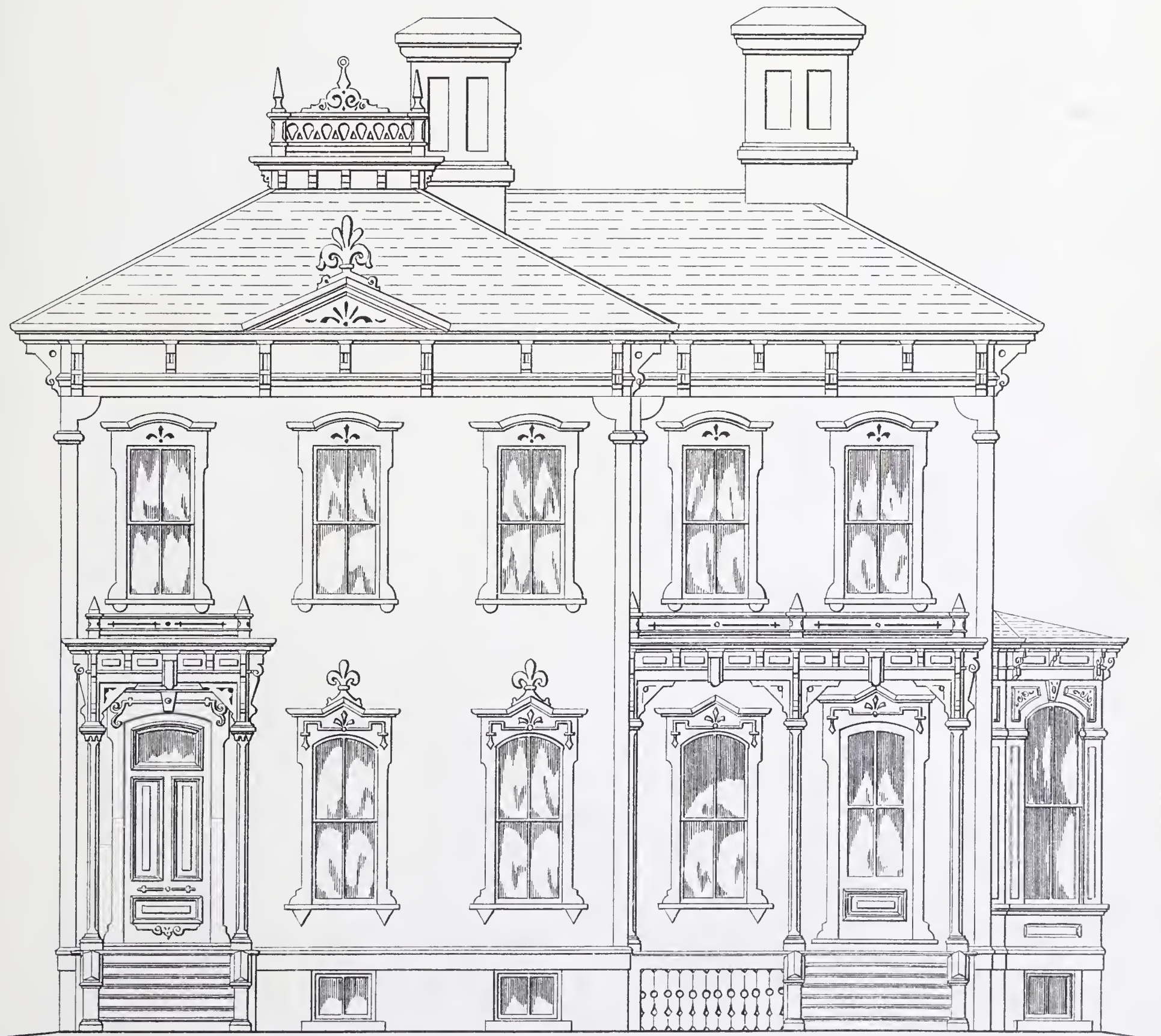


G.B.Croff, Arch't, SARATOGA, N.Y.



PRINCIPAL FLOOR PLAN.

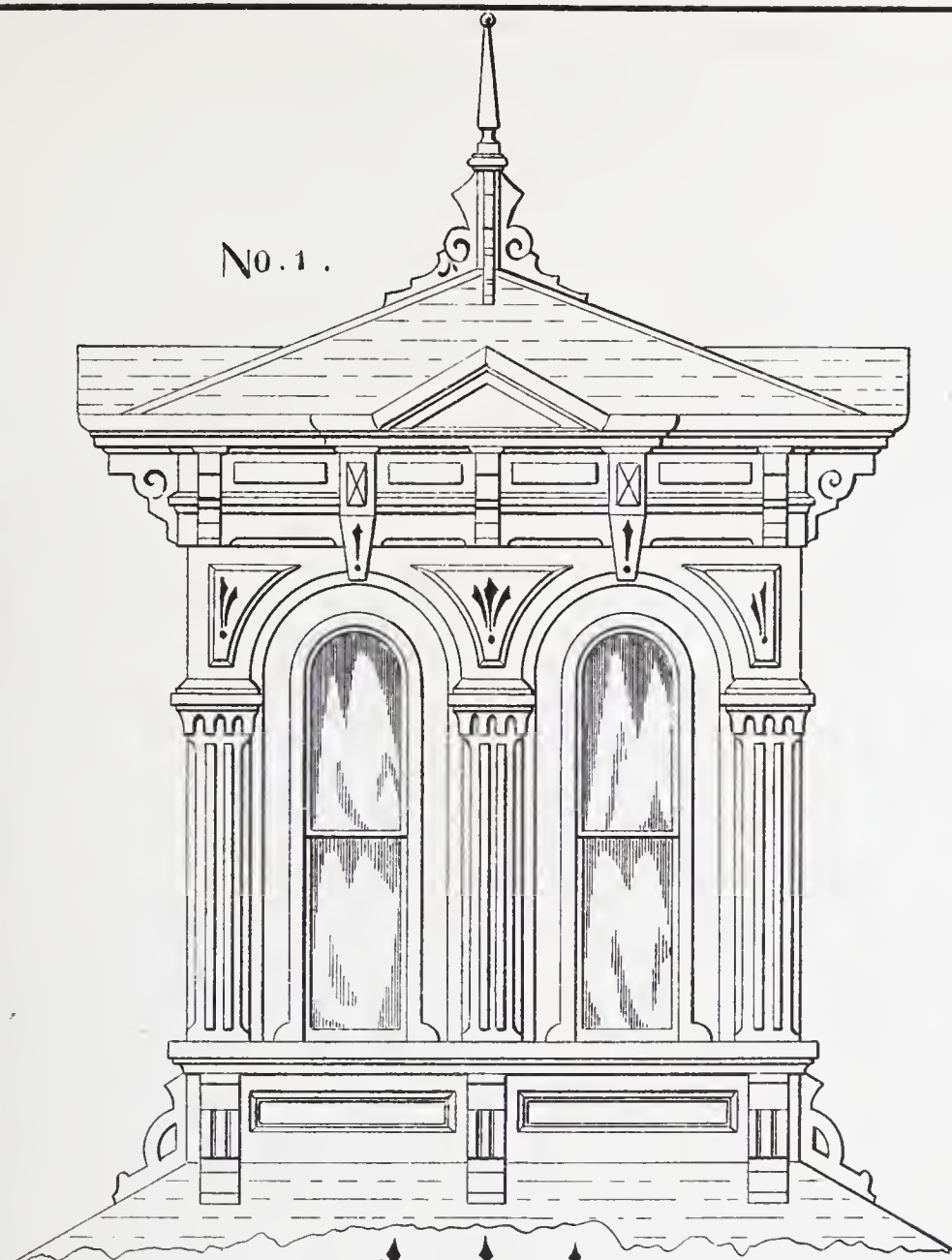
SCALE OF FEET .
0 6 12 18



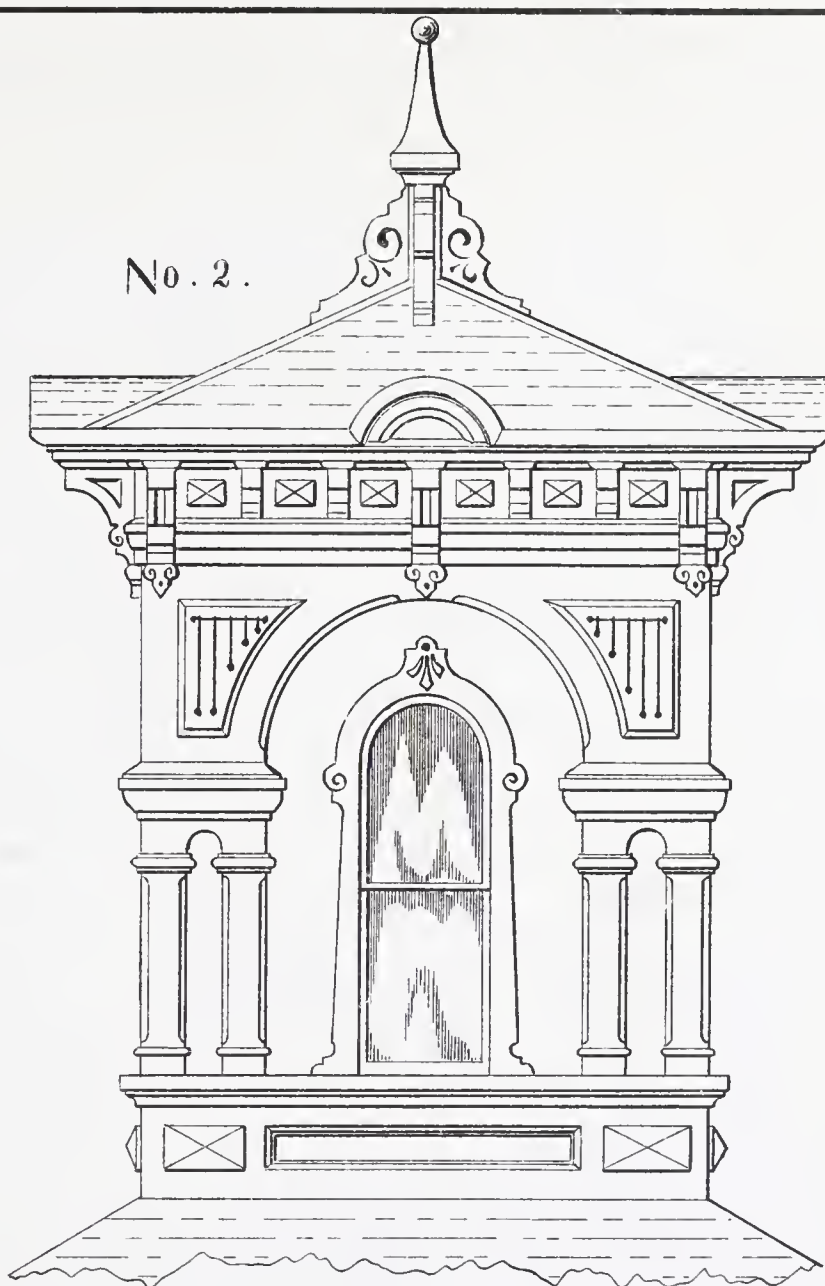
DESIGN FOR STREET FRONT OF RESIDENCE, PREPARED FOR EXECUTION.
AT BURLINGTON, VT.

G. B. Croff, Arch't, Saratoga, N. Y.

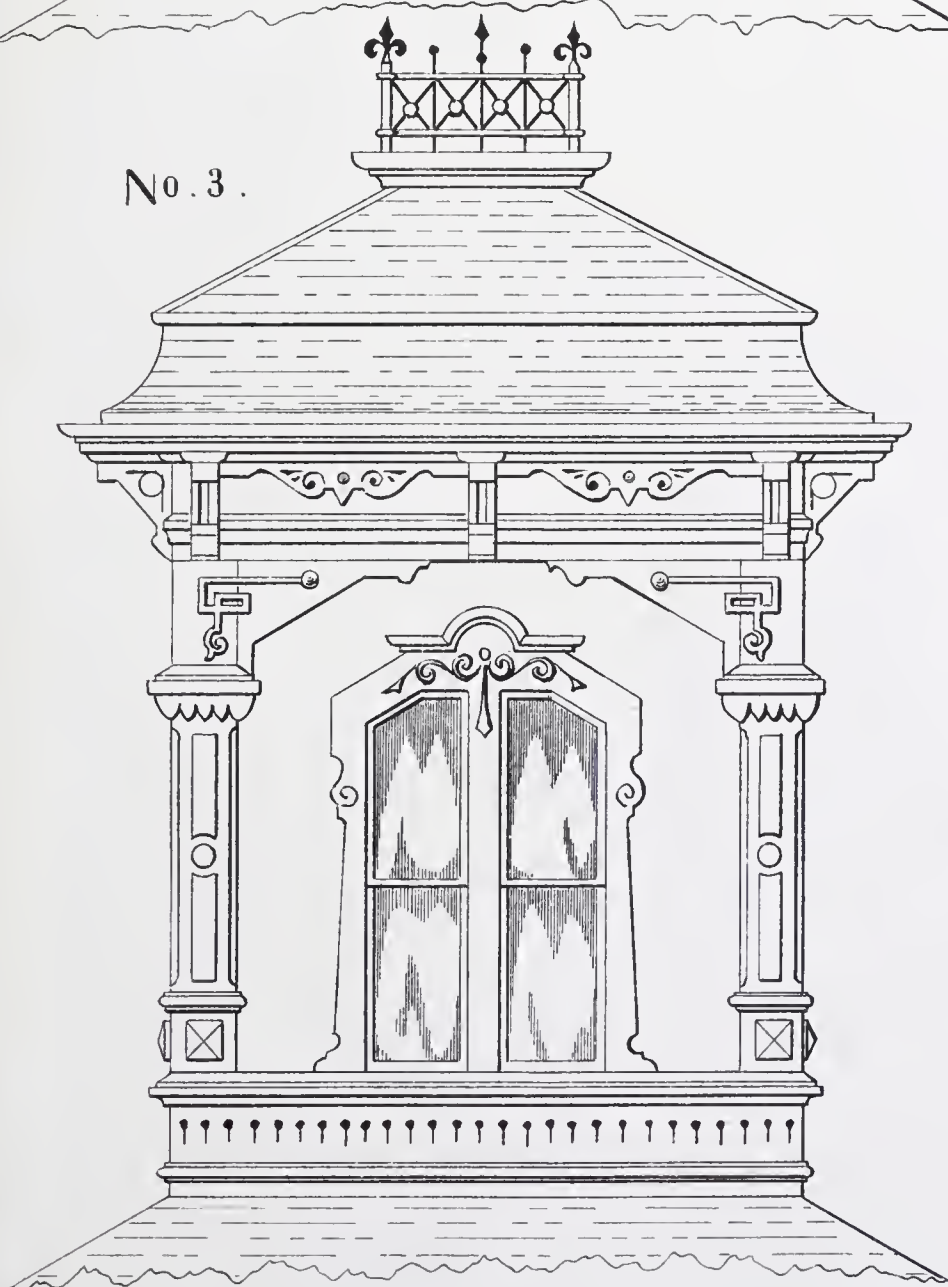
No. 1.



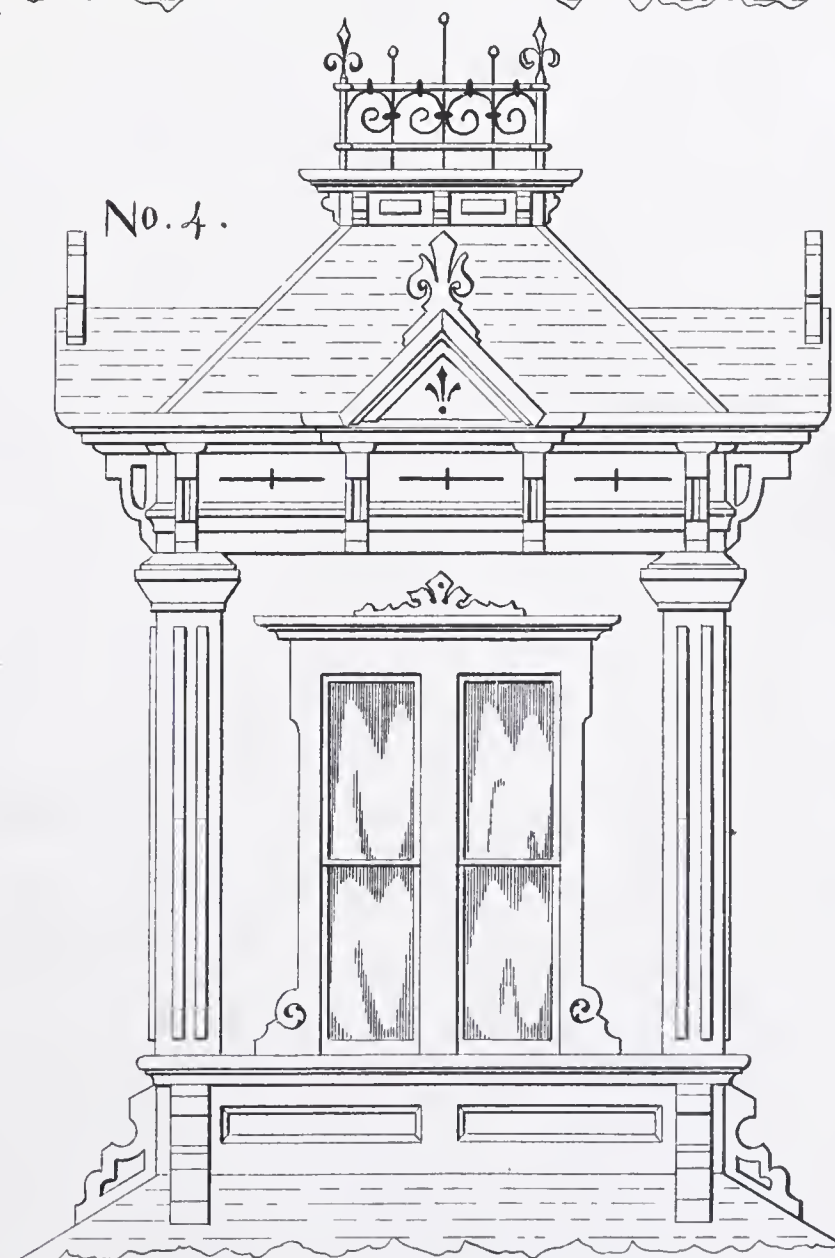
No. 2.



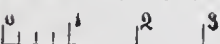
No. 3.



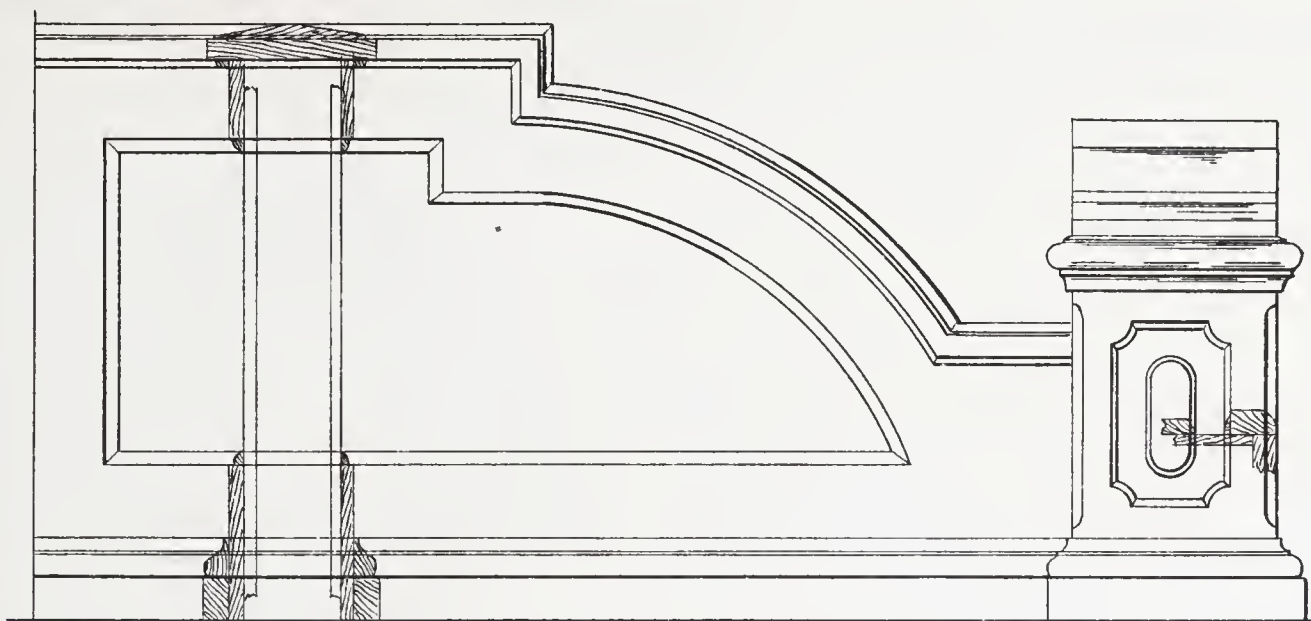
No. 4.



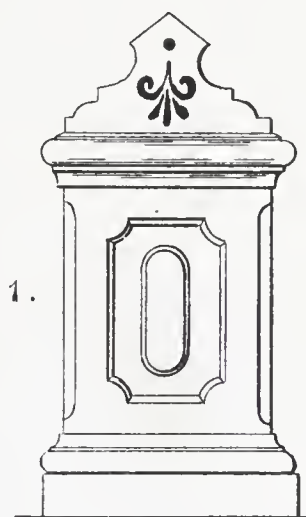
Scale of Feet



This Plate contains Four Designs of Cupolas, for square, flat or hipped roof houses, either of which will form a pleasant feature in the sky-outline. G.B. Croff, Arch't, Saratoga, N.Y.

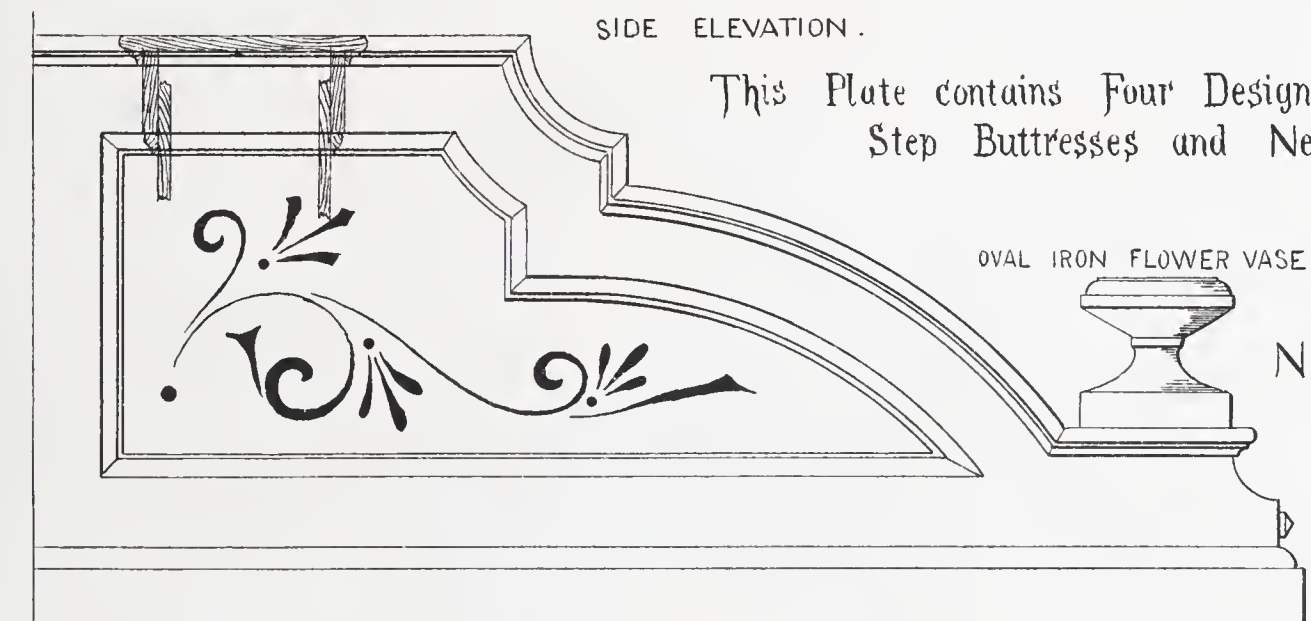


SIDE ELEVATION.



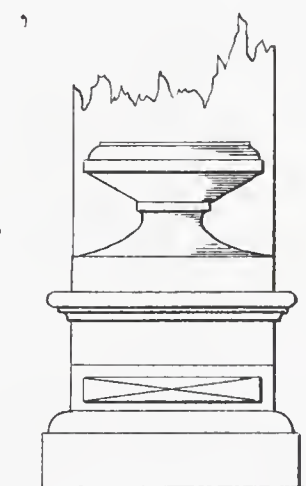
FRONT OF NEWEL.

No. 1.



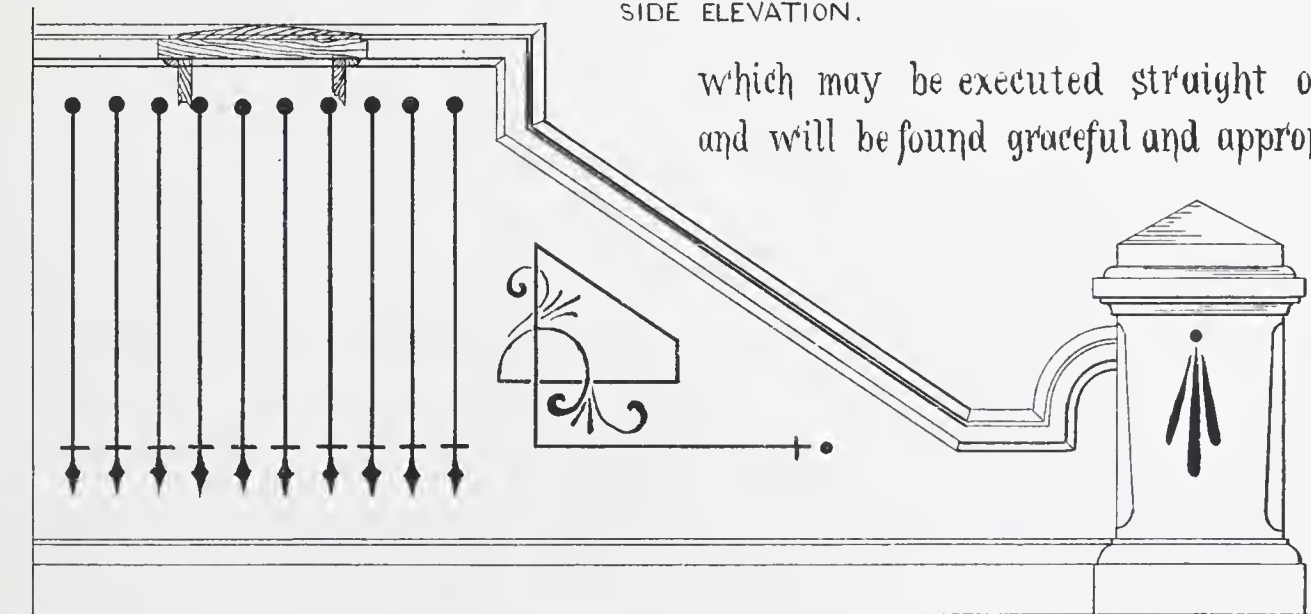
SIDE ELEVATION.

OVAL IRON FLOWER VASE.



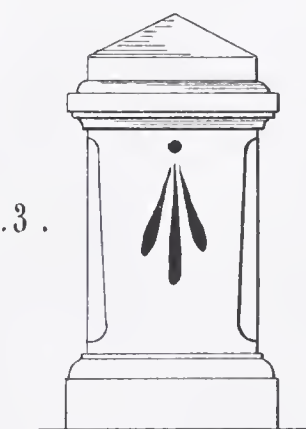
FRONT OF NEWEL.

No. 2.



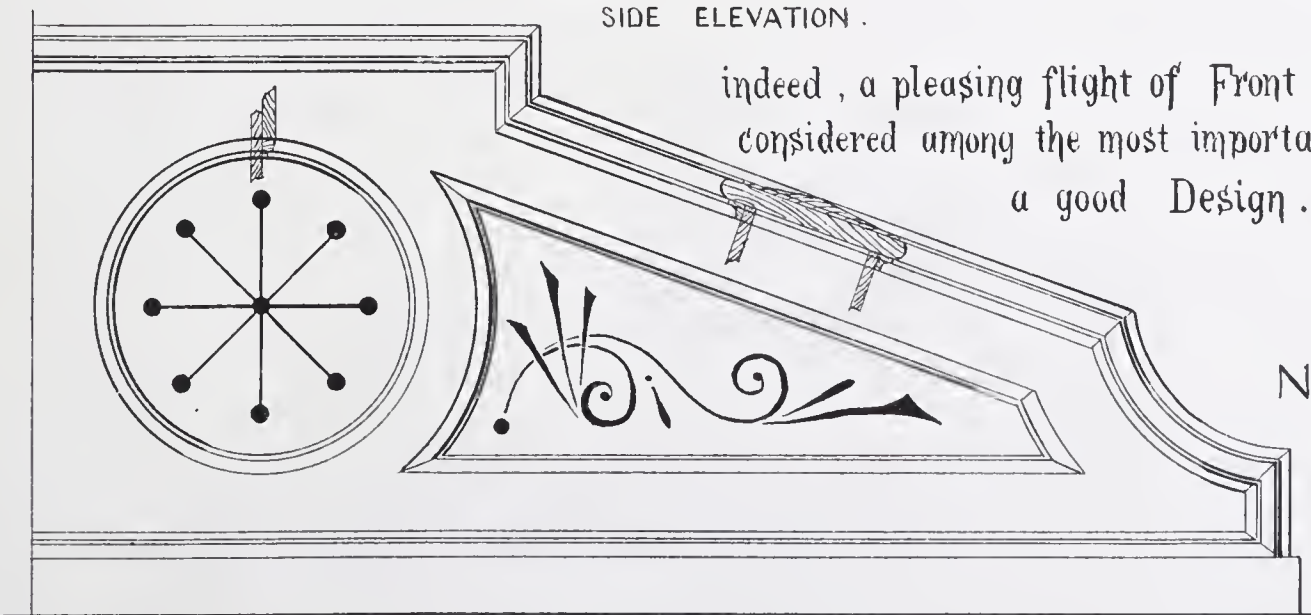
SIDE ELEVATION.

which may be executed straight or curved on plan,
and will be found graceful and appropriate for stylish dwellings,



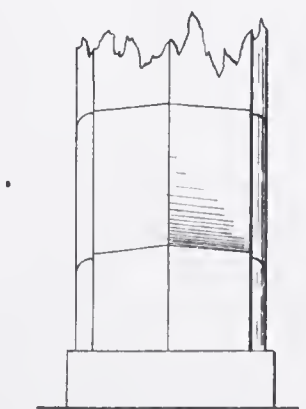
FRONT OF NEWEL.

No. 3.



SIDE ELEVATION.

indeed, a pleasing flight of Front Steps may be
considered among the most important features of
a good Design.

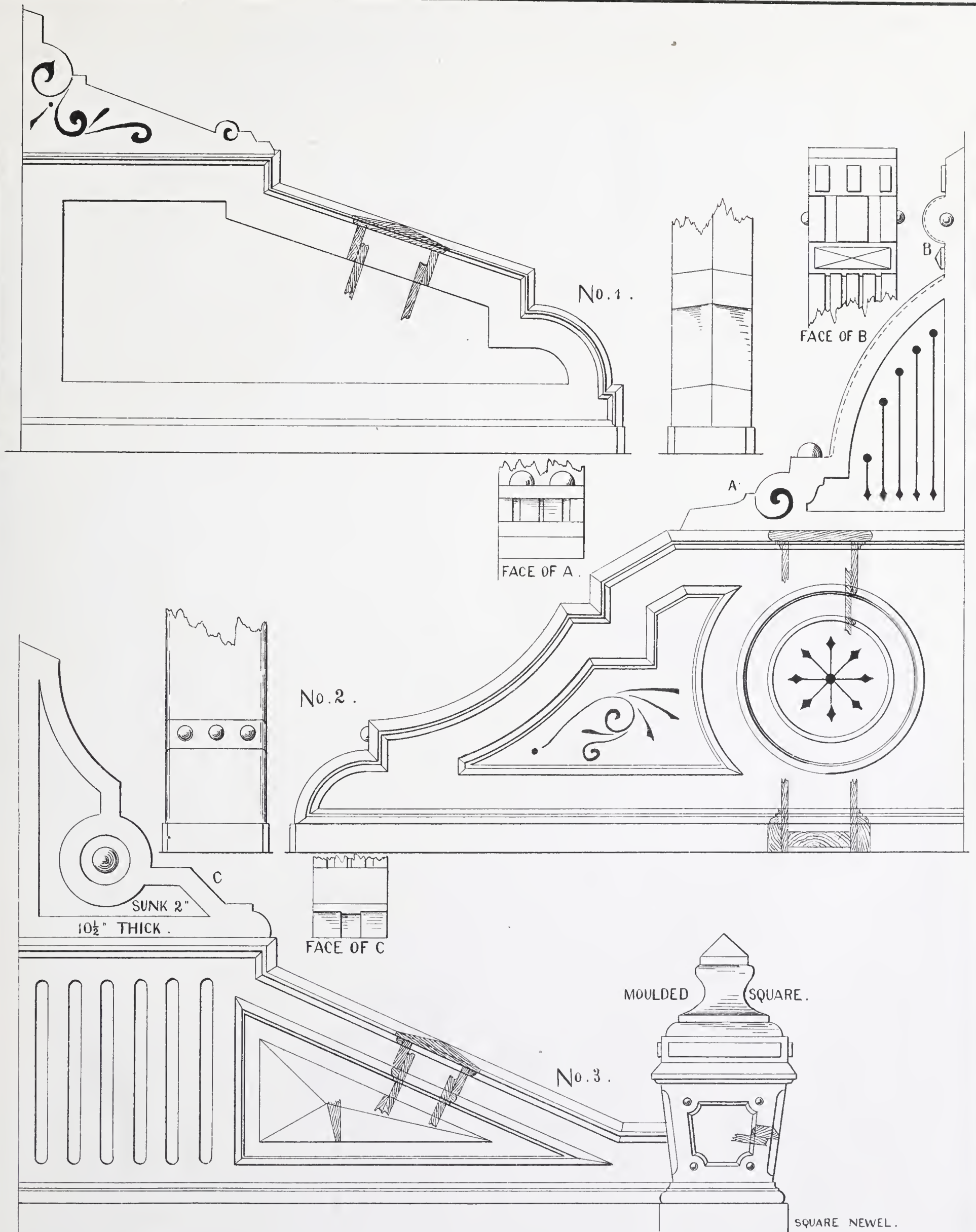


FRONT OF NEWEL.

No. 4.

Scale, $\frac{3}{4}$ inch, one foot.

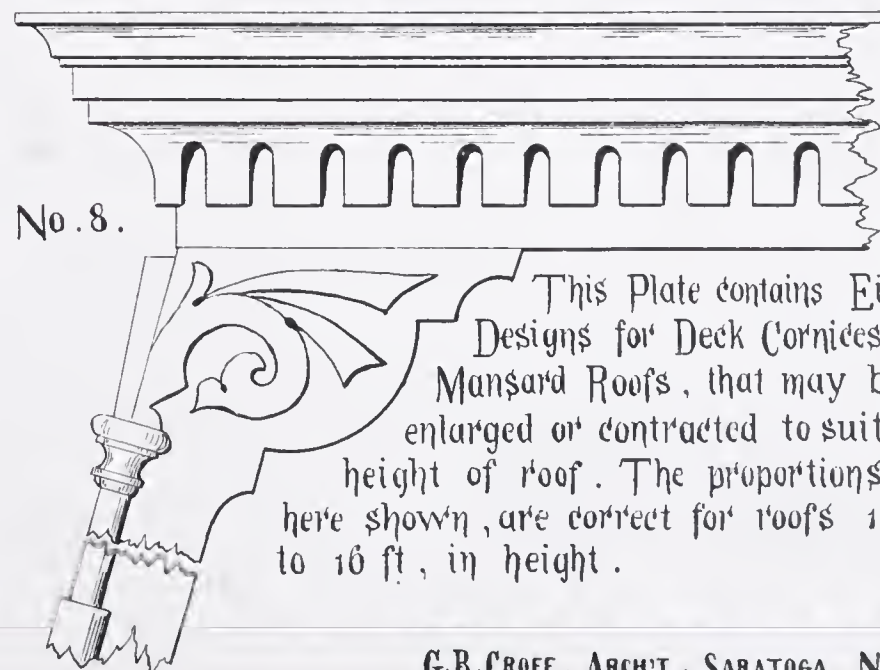
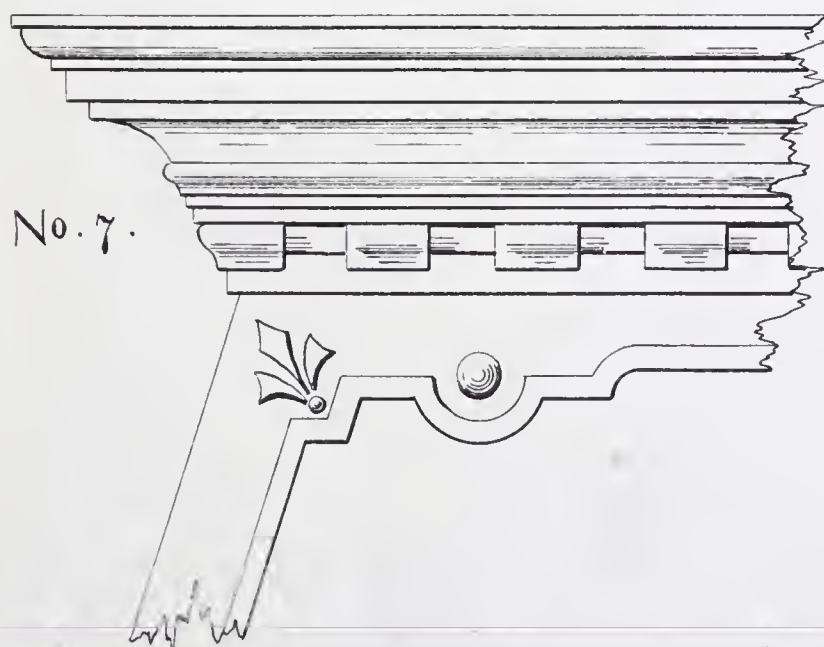
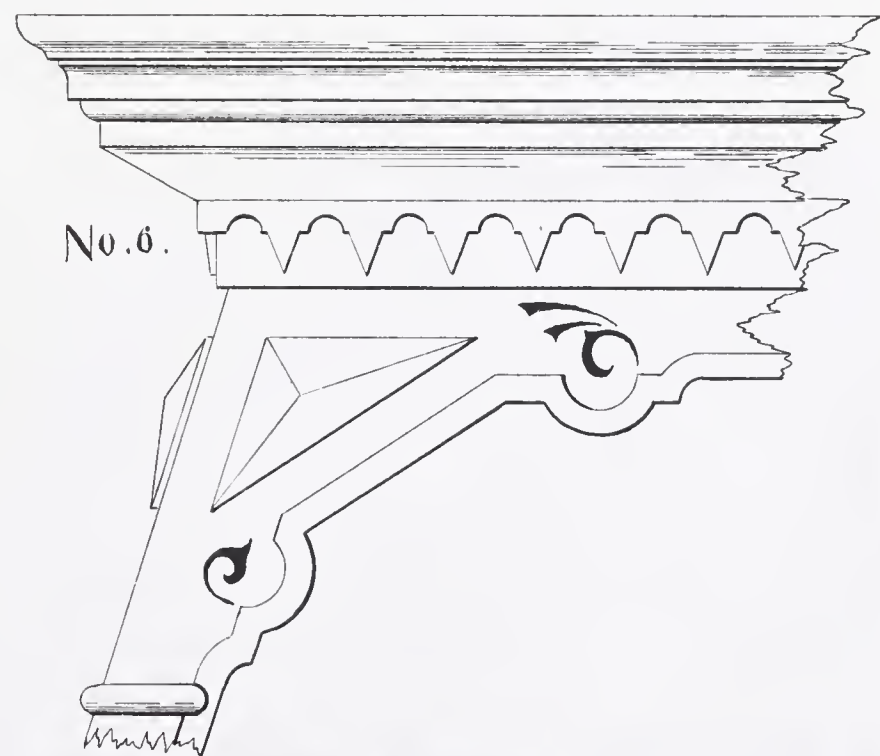
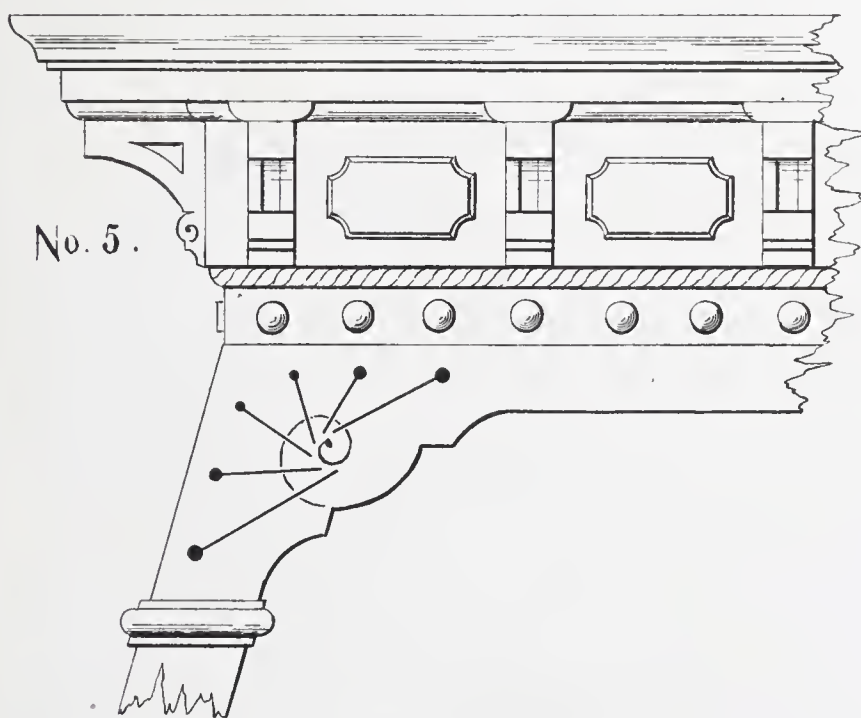
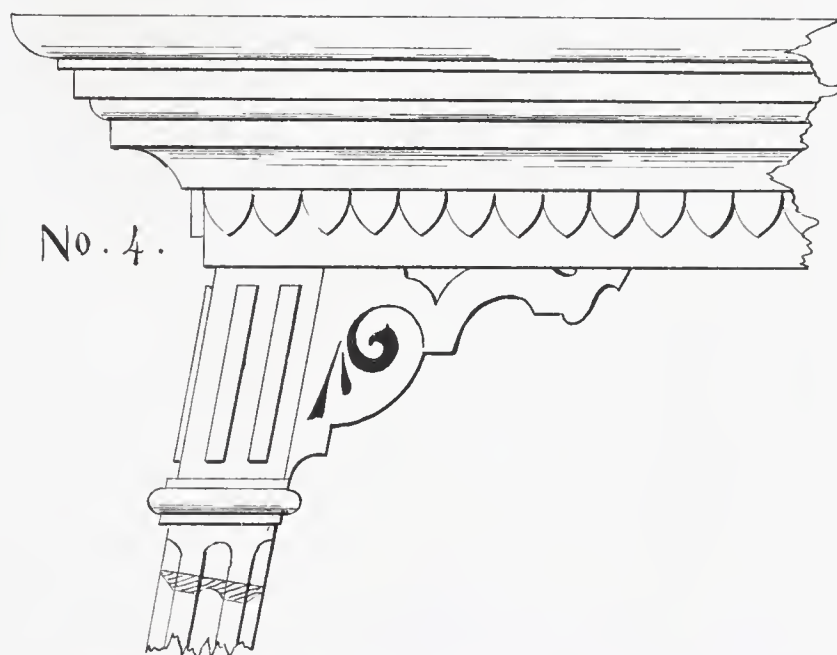
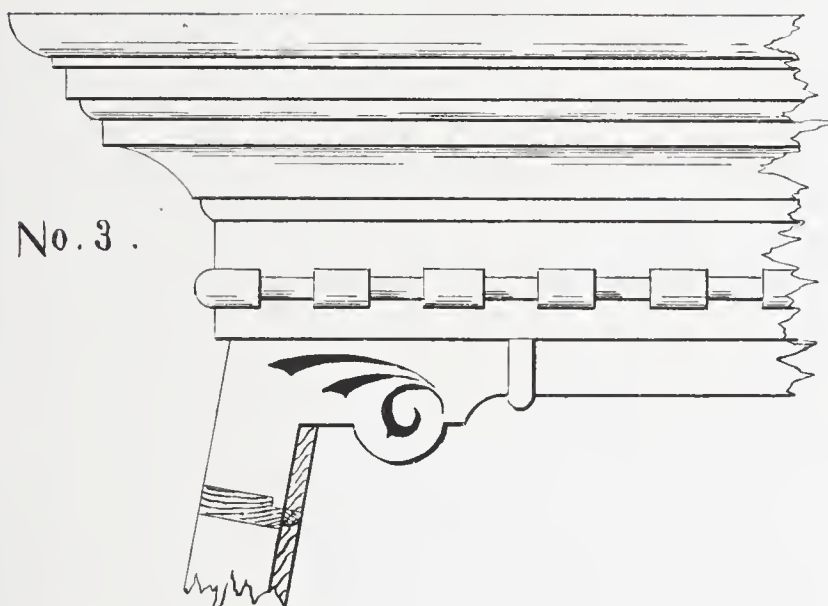
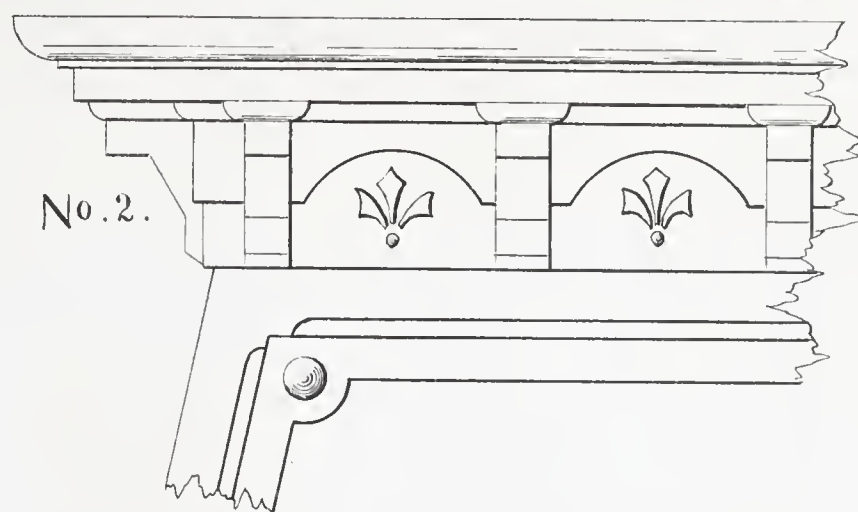
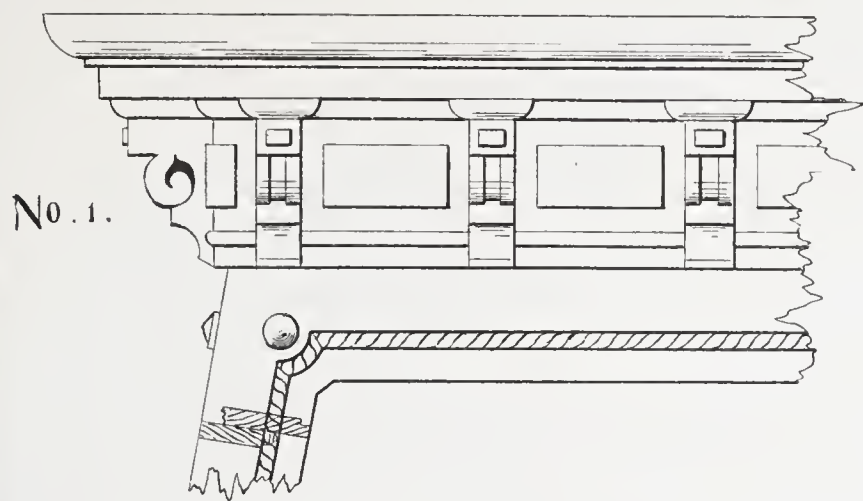
G. B. Croff, Arch't. Saratoga, N. Y.



This Plate contains Three Designs for Step Buttresses, terminated at top by heavy relief Trusses, engaged to face casing, or pilaster of opening. Buttresses may be made any length desired, but the proportions here given should be preserved as nearly as possible, No. 2. is extremely rich and pleasing, while the effect of Nos. 1 and 3 will be found desirable in many cases.

Scale, $\frac{3}{4}$ inch, one foot.

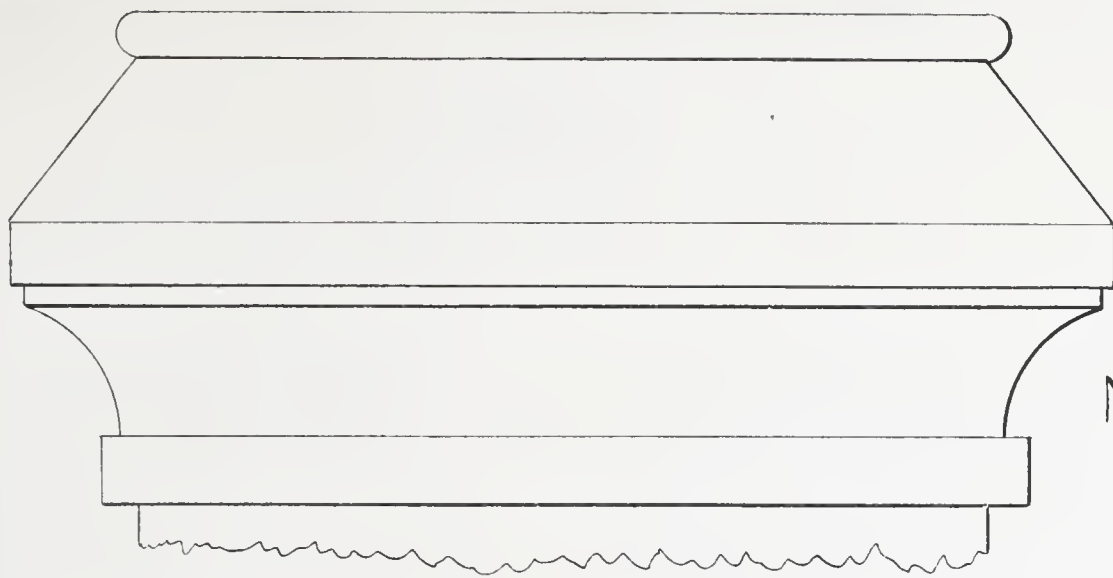
G. B. CROFF, ARCHITECT, SARATOGA, N. Y.



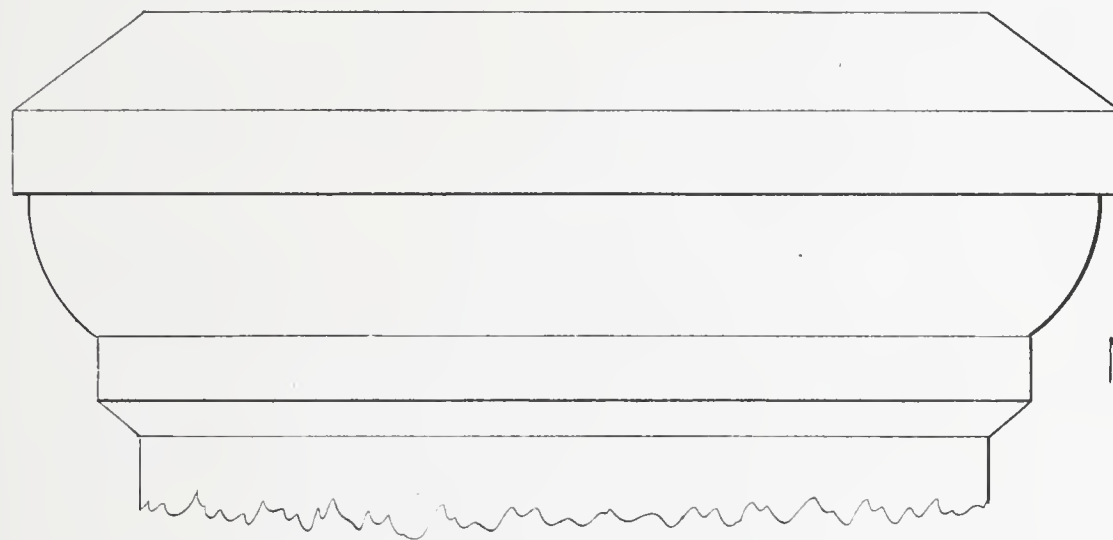
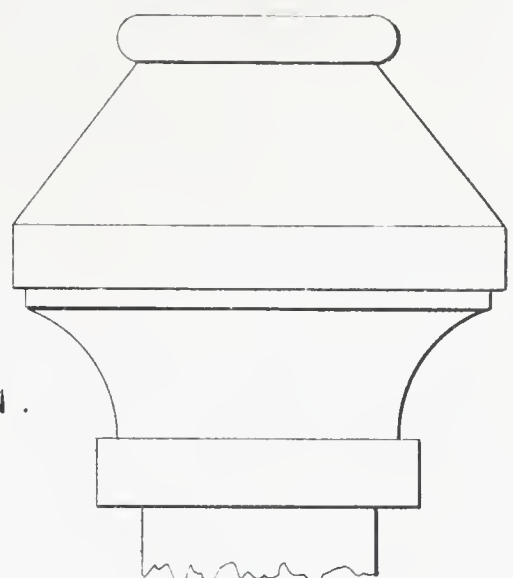
Scale, $\frac{3}{4}$ inch, one foot.

This Plate contains Eight Designs for Deck Cornices, for Mansard Roofs, that may be enlarged or contracted to suit any height of roof. The proportions as here shown, are correct for roofs 11 ft. to 16 ft., in height.

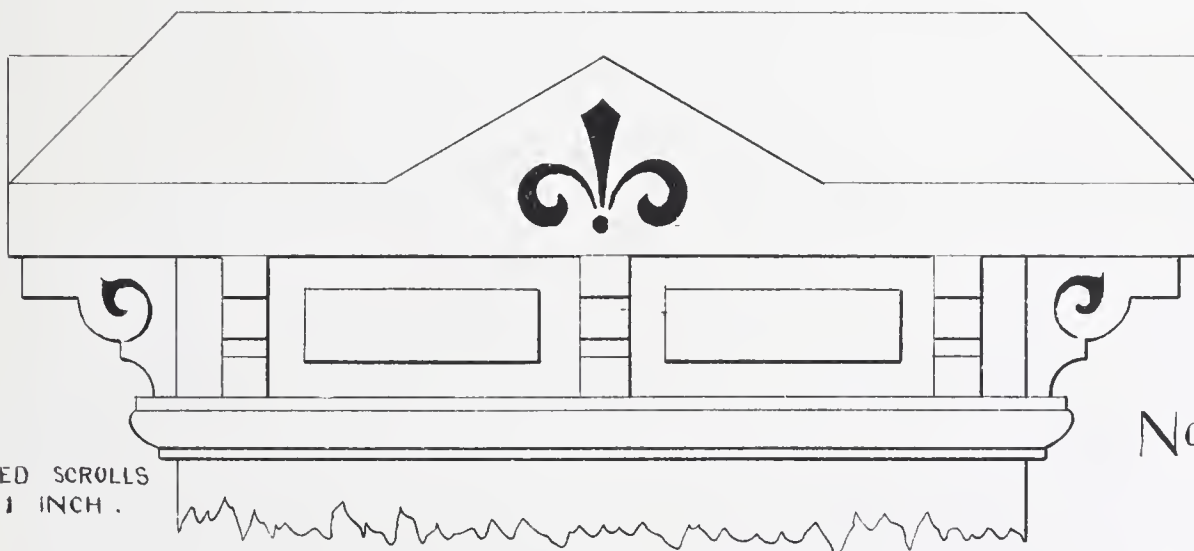
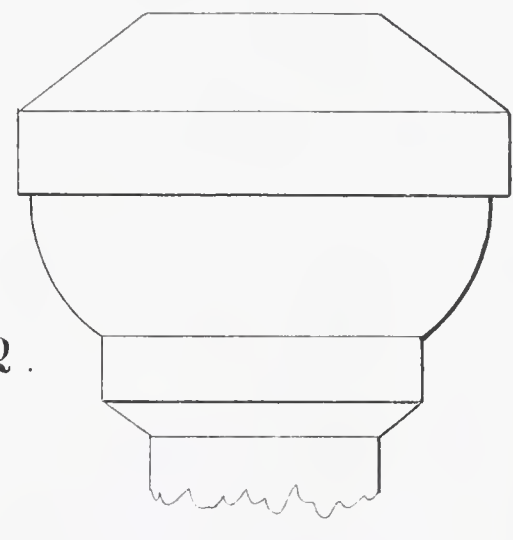
G.B. CROFF, ARCHT. SARATOGA. N.Y.



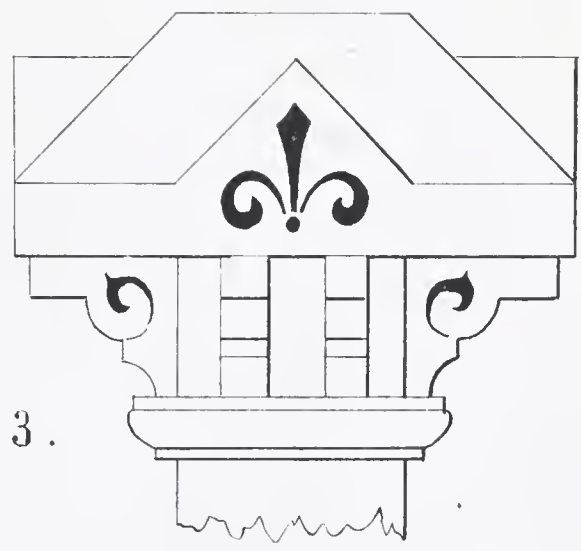
No. 1.



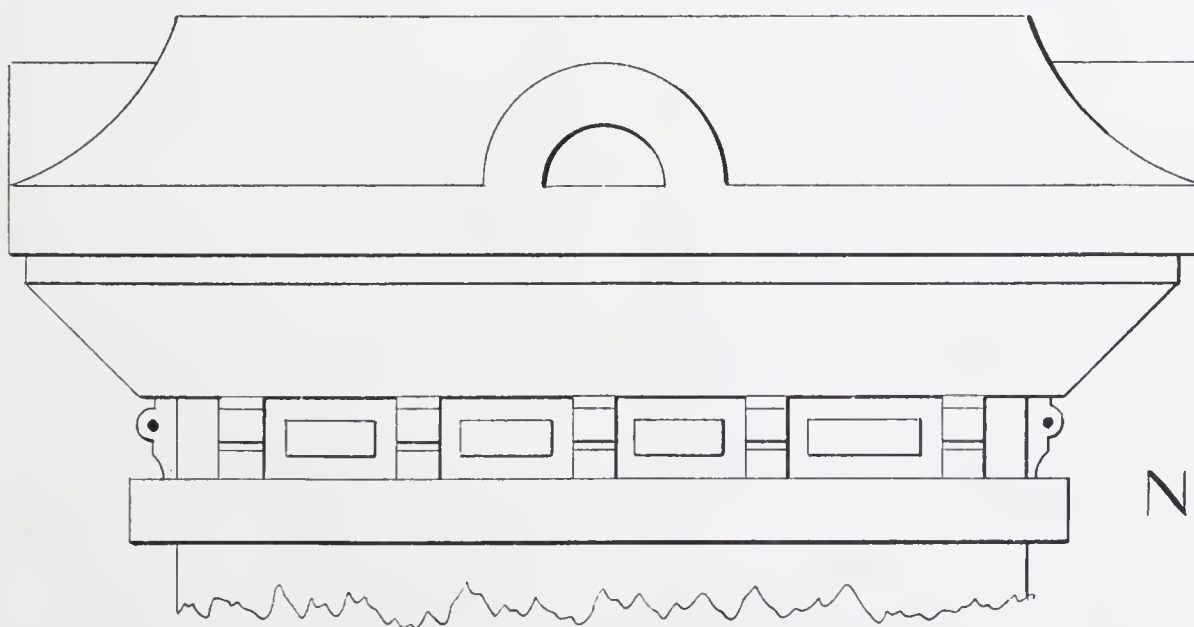
No. 2.



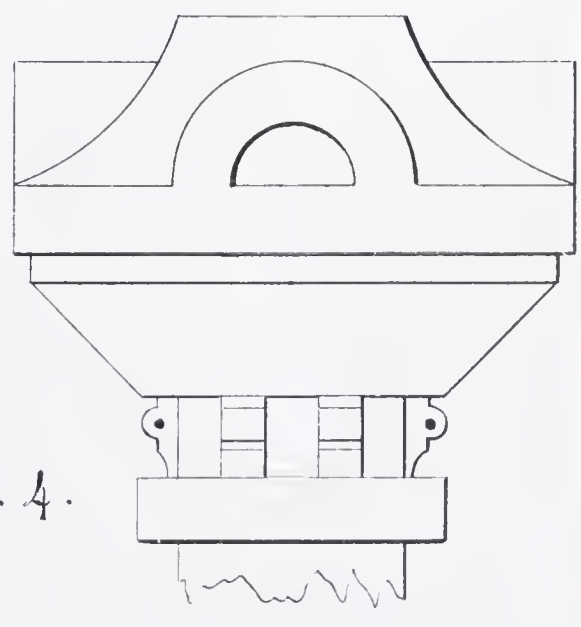
No. 3.



BLACKED SCROLLS
SUNK 1 INCH.



No. 4.

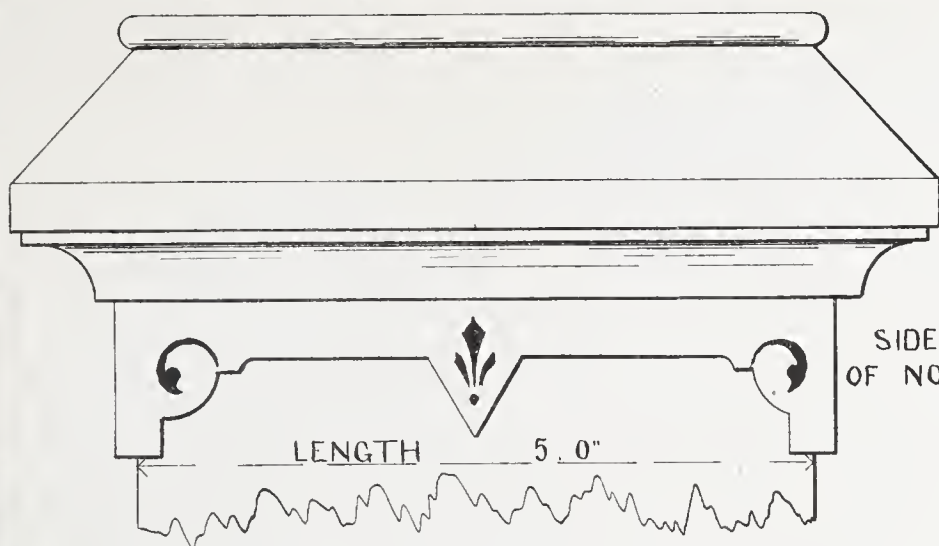


This Plate contains Four. Designs for Galvanized Iron Chimney Caps, which are very important features in a good design.

Nos. 1 and 2 are extremely pleasing, and may be executed in stone. Nos. 3 and 4 are more elaborate, and suitable for execution in Galvanized Iron only.

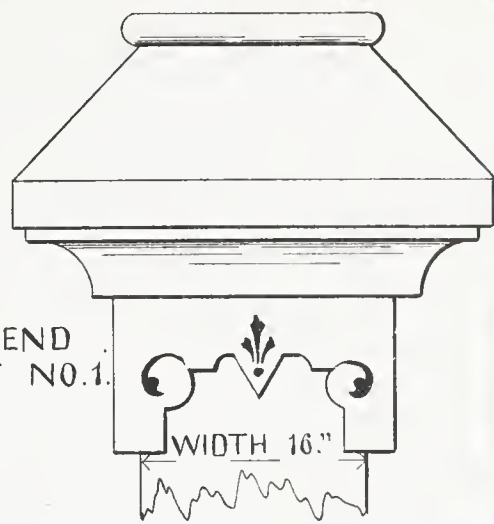
Scale. $\frac{3}{4}$ inch, one foot.

G.B. Croff, Archt. Saratoga. N.Y.



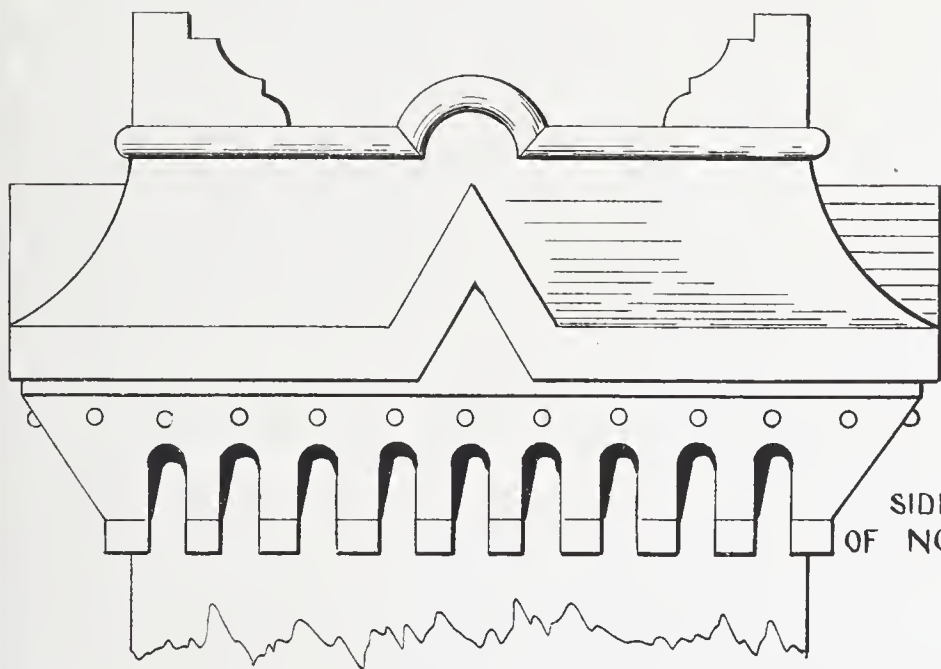
SIDE
OF NO. 1.

LENGTH 5.0"

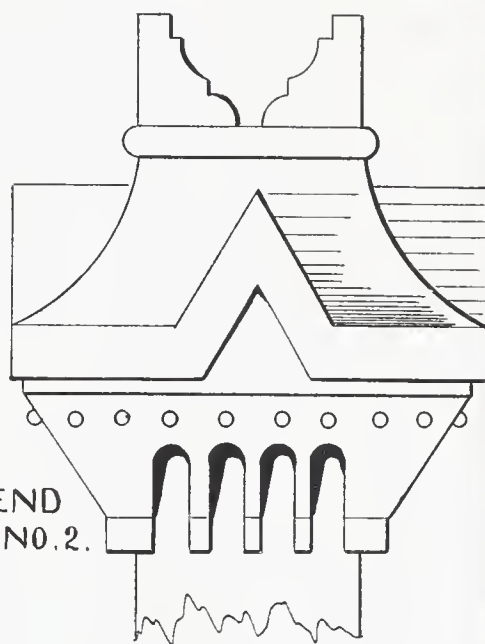


END
OF NO. 1.

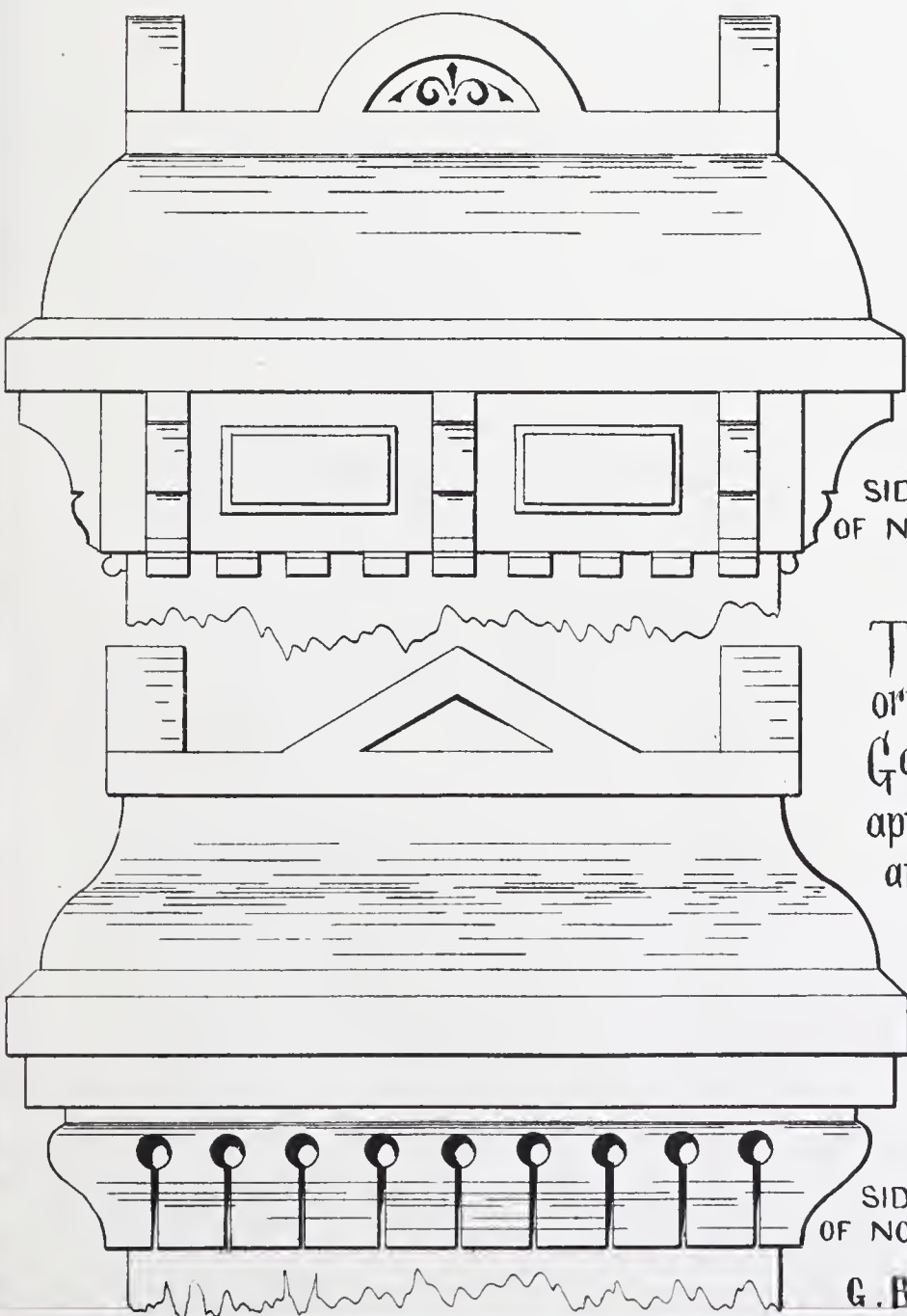
WIDTH 16."



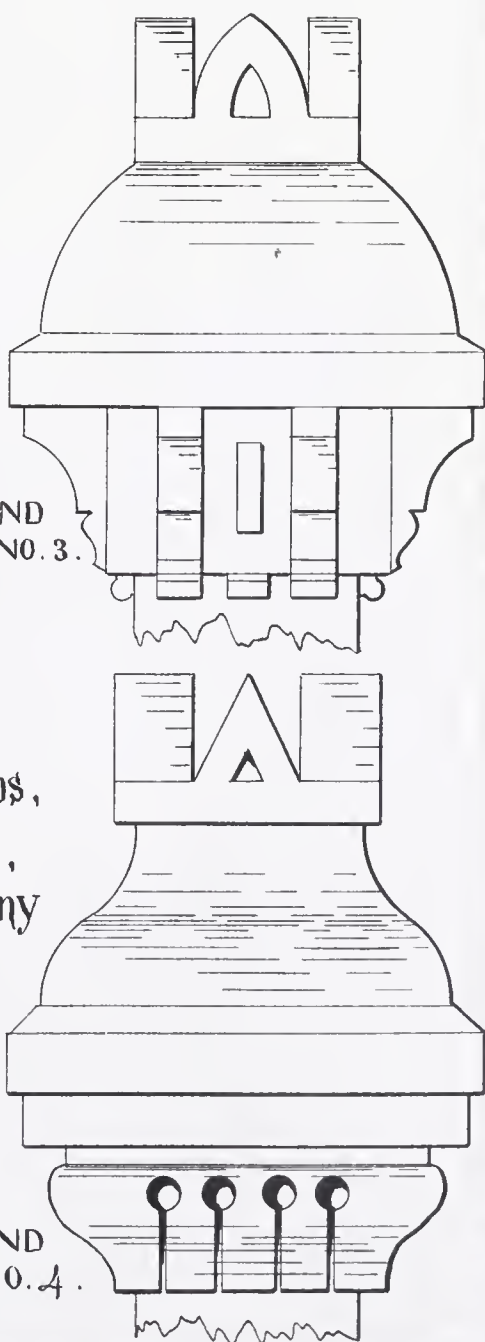
SIDE
OF NO. 2.



END
OF NO. 2.



SIDE
OF NO. 3.



END
OF NO. 3.

This Plate contains Four
ornamental Designs for
Galvanized Iron Chimney Caps,
appropriate for fine residences,
and may be varied to suit any
size shaft required.

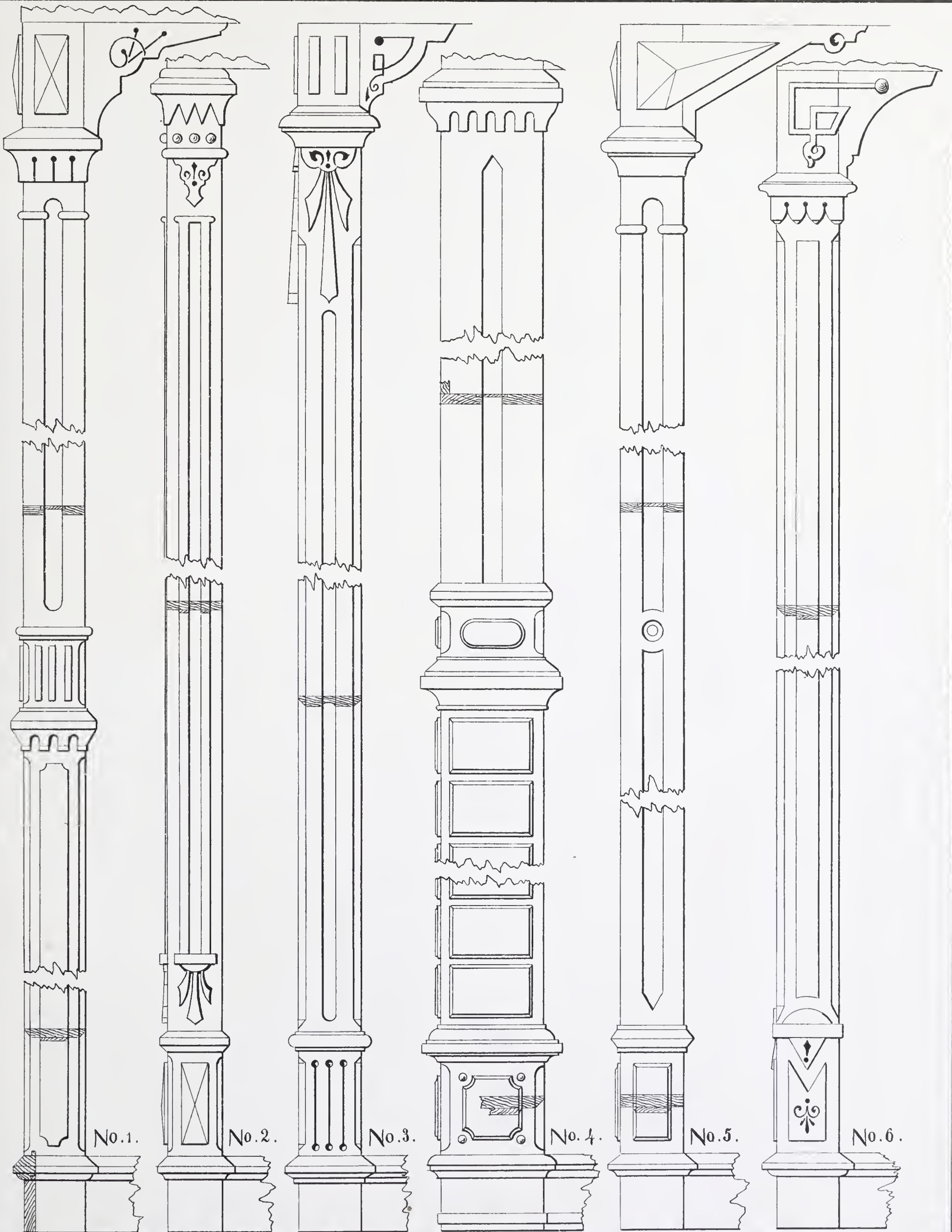
These Caps are made
to slip over shaft, with
3" flange at top to sus-
tain them.

SIDE
OF NO. 4.

SCALE, $\frac{3}{4}$ IN. ONE FOOT.

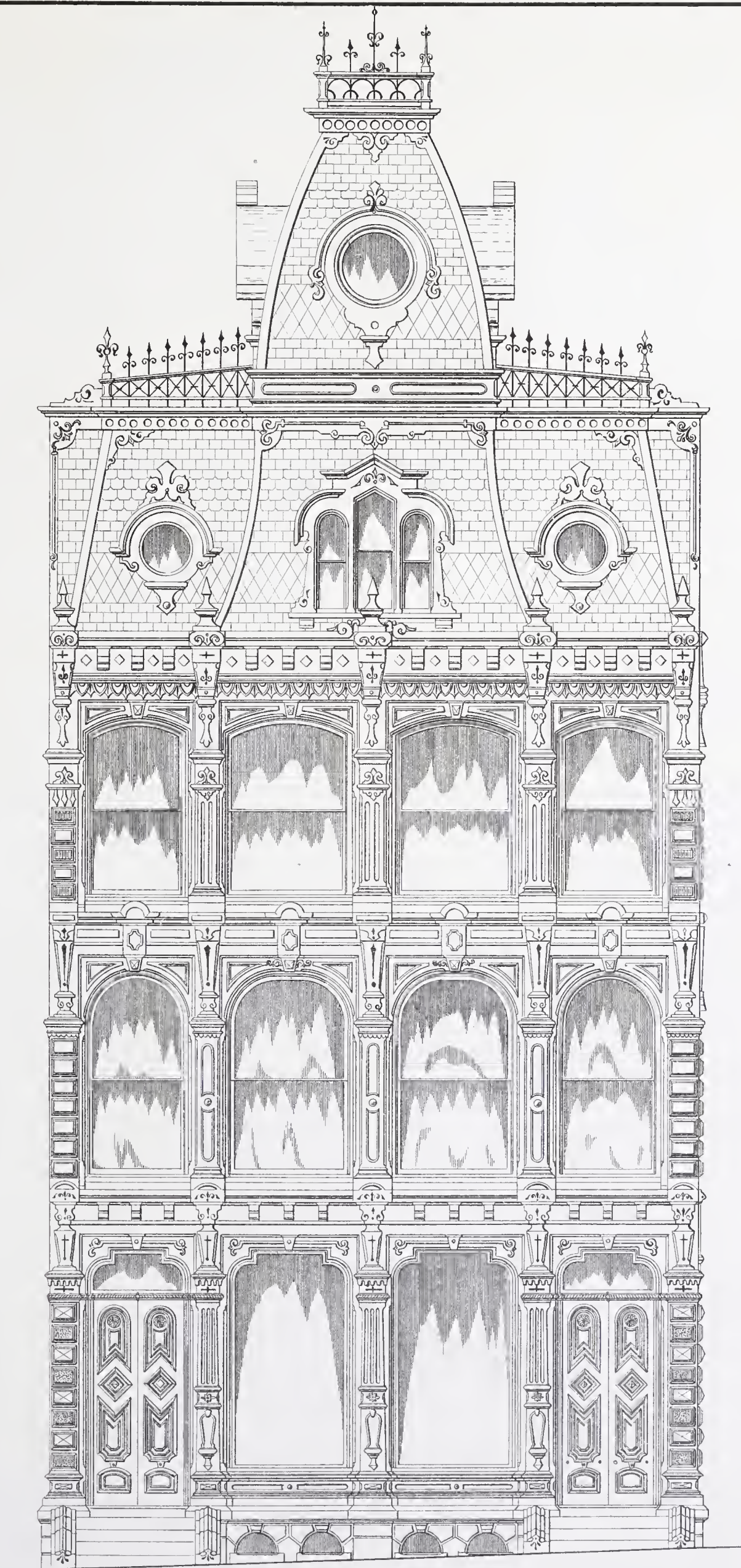
END
OF NO. 4.

G. B. Croff, Arch't, Saratoga, N. Y.



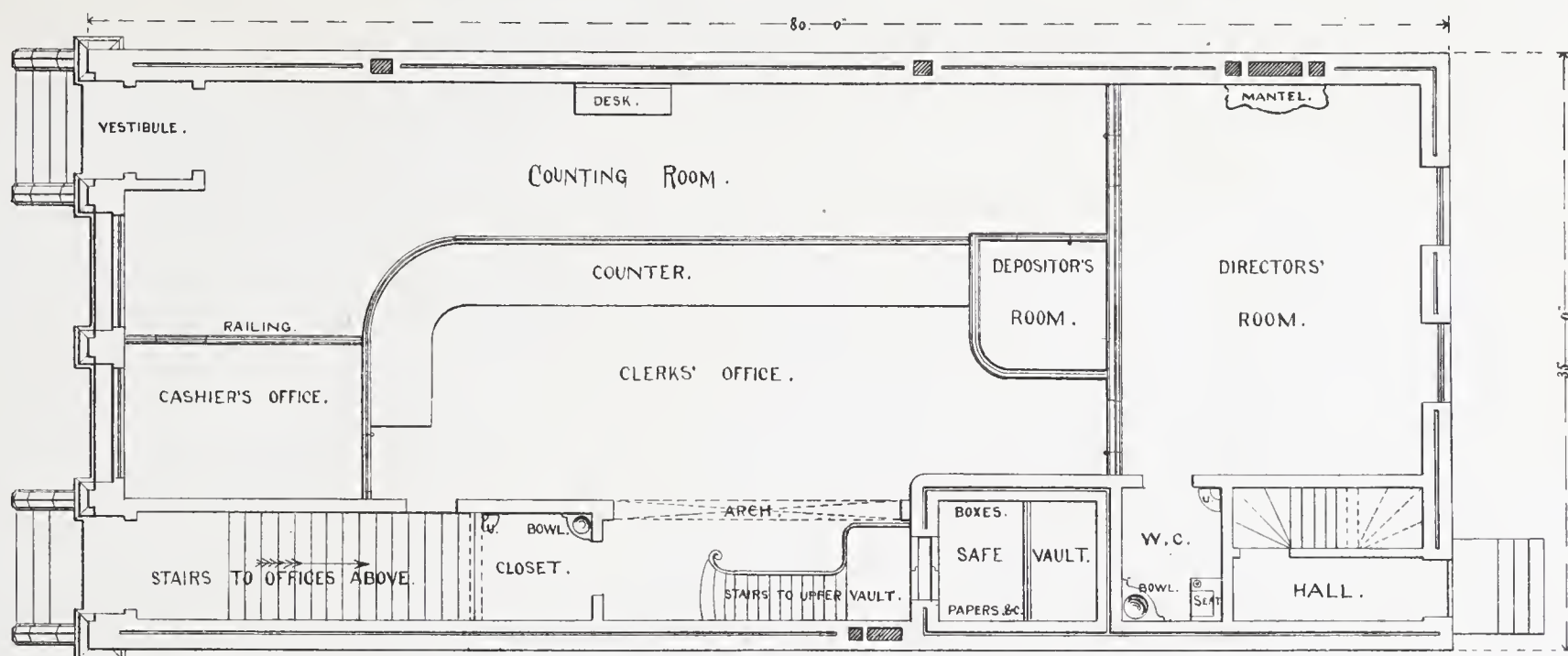
This Plate contains Six Designs of Angle Boards, appropriate for picturesque and beautiful dwellings. G.B. CROFF, ARCHITECT, SARATOGA, N.Y.

SCALE, $\frac{3}{4}$ INCH, ONE FOOT.



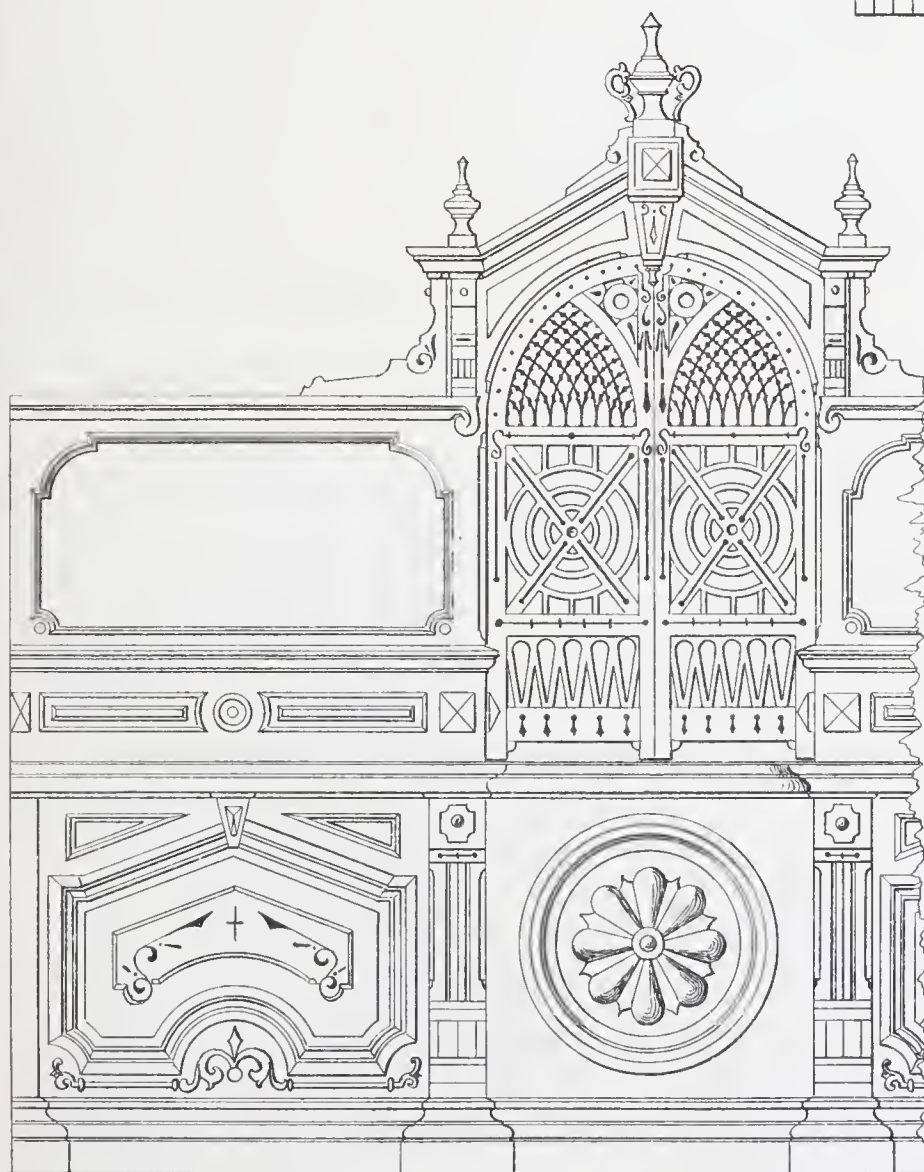
Scale of Feet,
1 2 3 4 6 10

FRONT ELEVATION OF BANKING HOUSE, ERECTED AT HUDSON, N. Y.
Foundation and steps of Ohio Sand-stone, entire superstructure of iron and glass. G. B. CROFF, ARCHITECT, SARATOGA, N. Y.

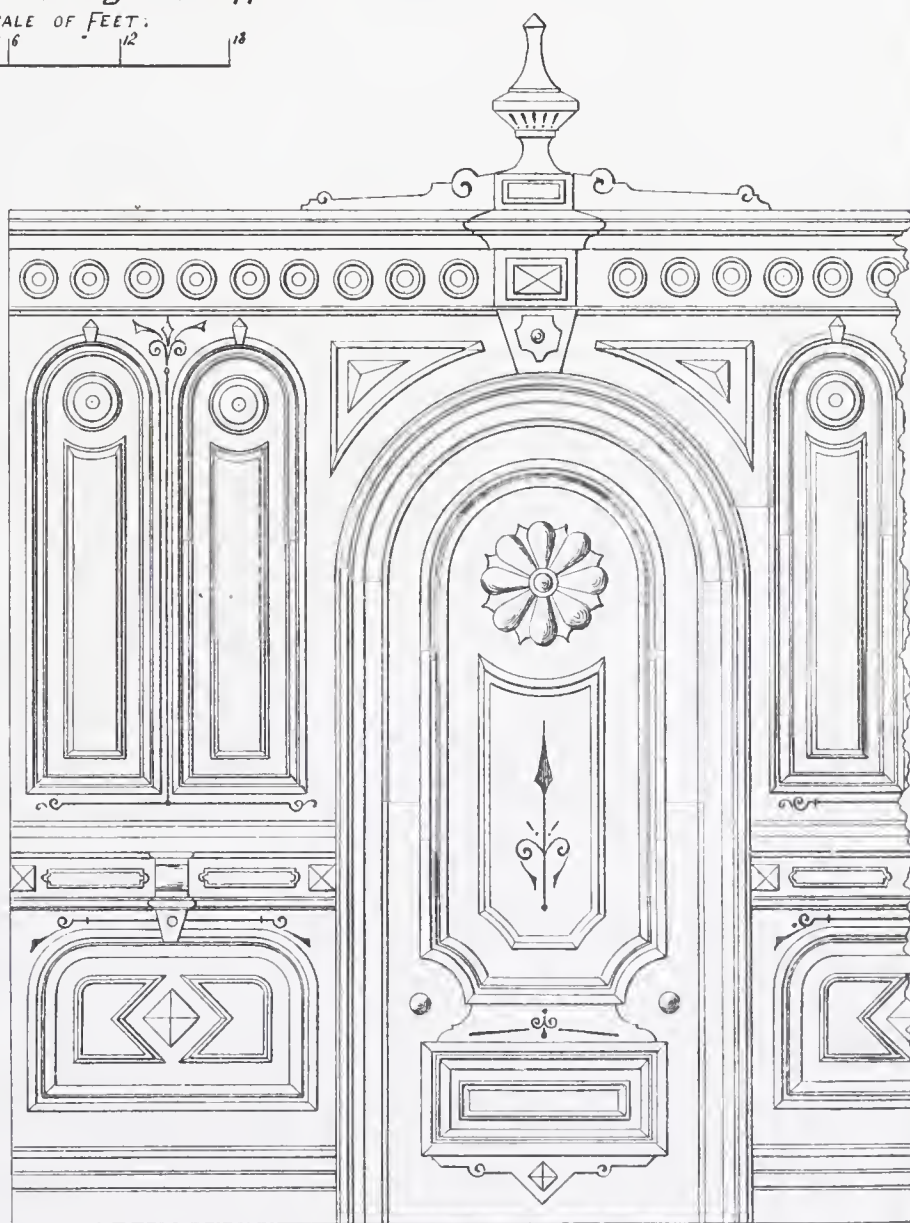


FIRST FLOOR PLAN OF BANK AT HUDSON.

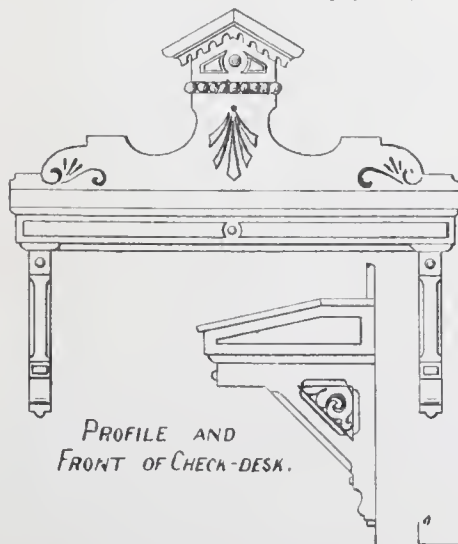
SCALE OF FEET.



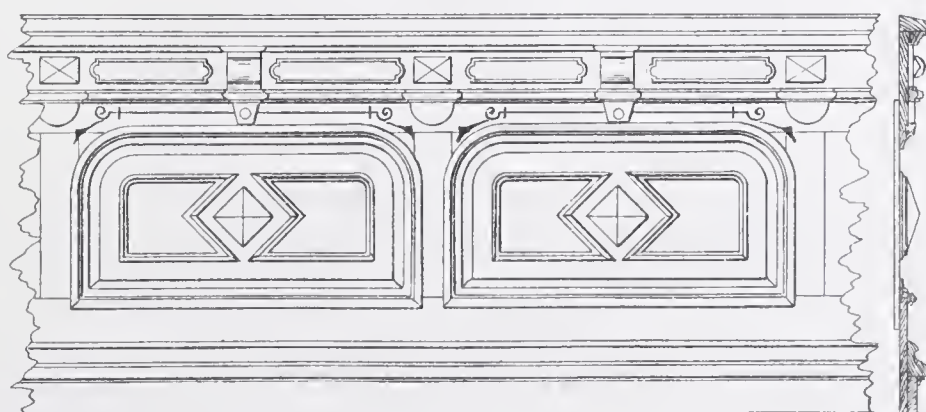
COUNTER AND SCREEN.



SCREEN PARTITION.

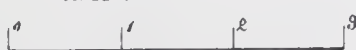


PROFILE AND FRONT OF CHECK-DESK.



WAINSCOTING.

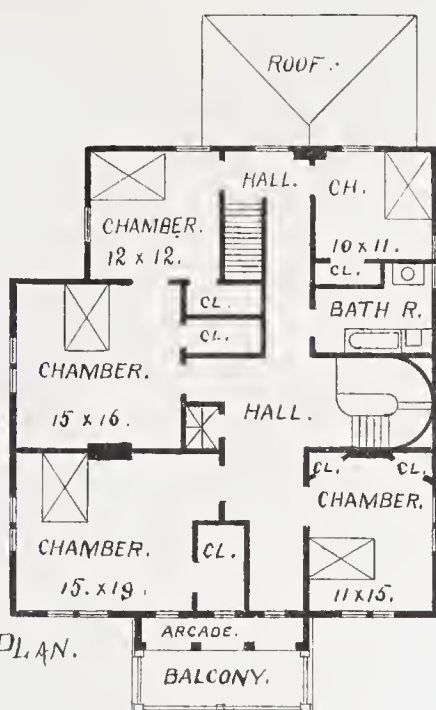
SCALE OF FEET FOR DETAILS.



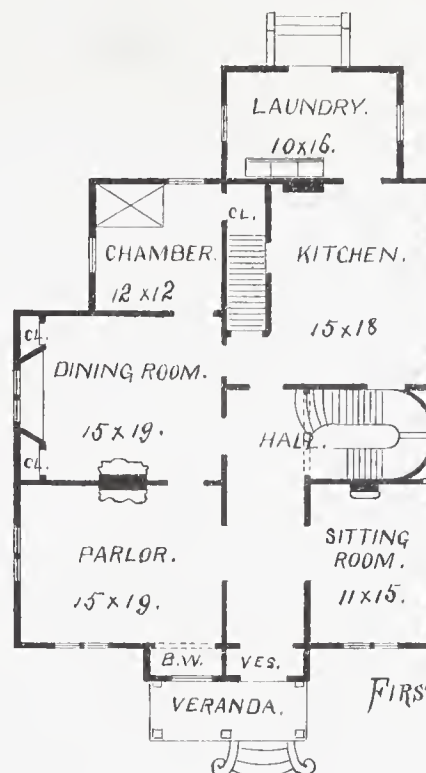
FIRST FLOOR PLAN
of PLATE No. 77.
and Details of Interior Finish
of Counting Room.

G. B. CROFF, ARCHITECT. SARATOGA, N. Y.

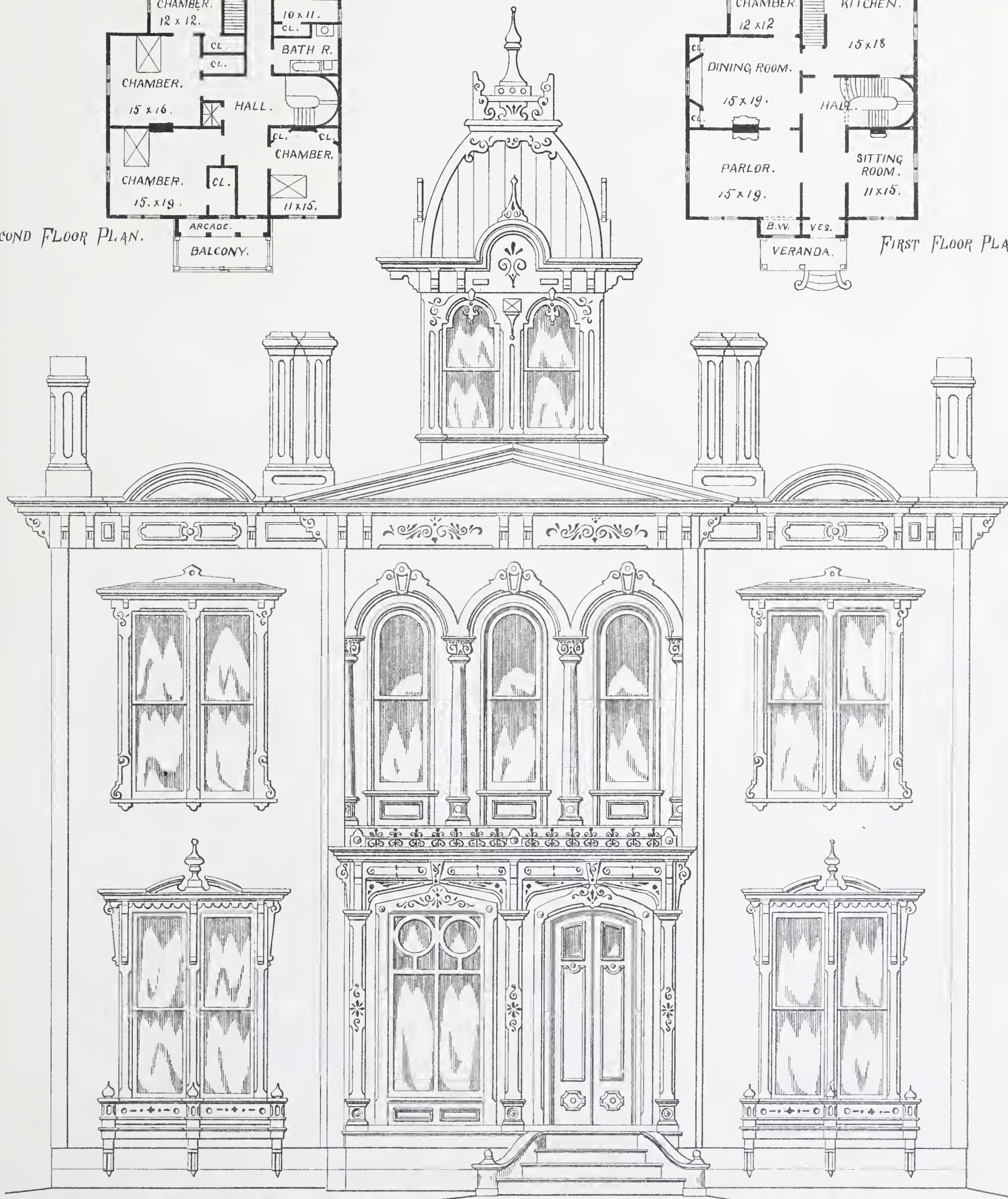
Scale of Feet for Floor Plans.



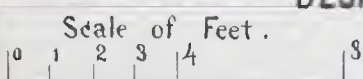
SECOND FLOOR PLAN.



FIRST FLOOR PLAN



DESIGN FOR RESIDENCE, PREPARED FOR EXECUTION AT Saratoga, N.Y.

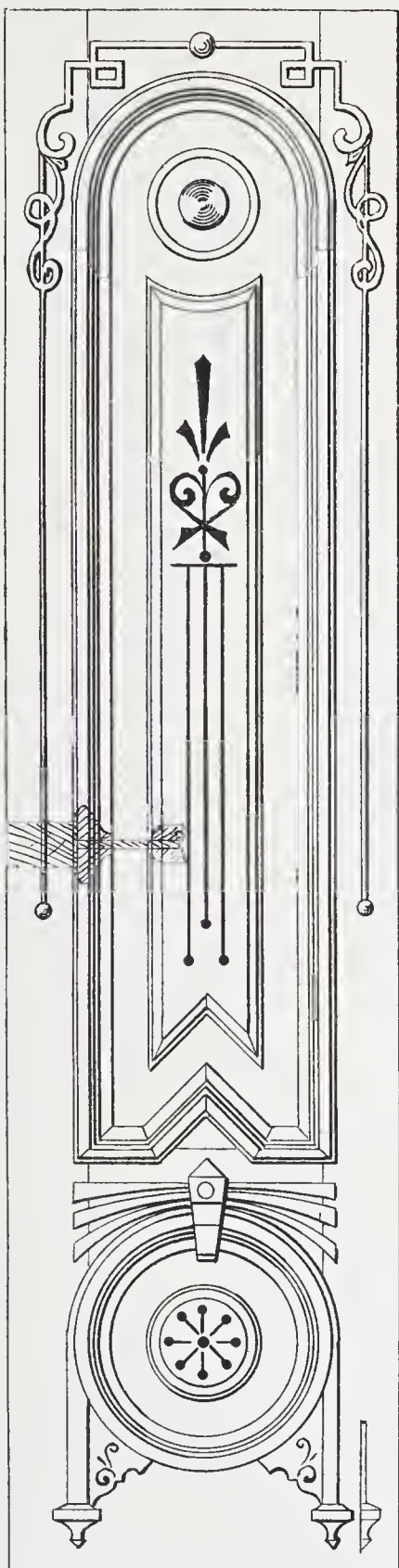


G.B. Croff, Arch't, Saratoga, N.Y.

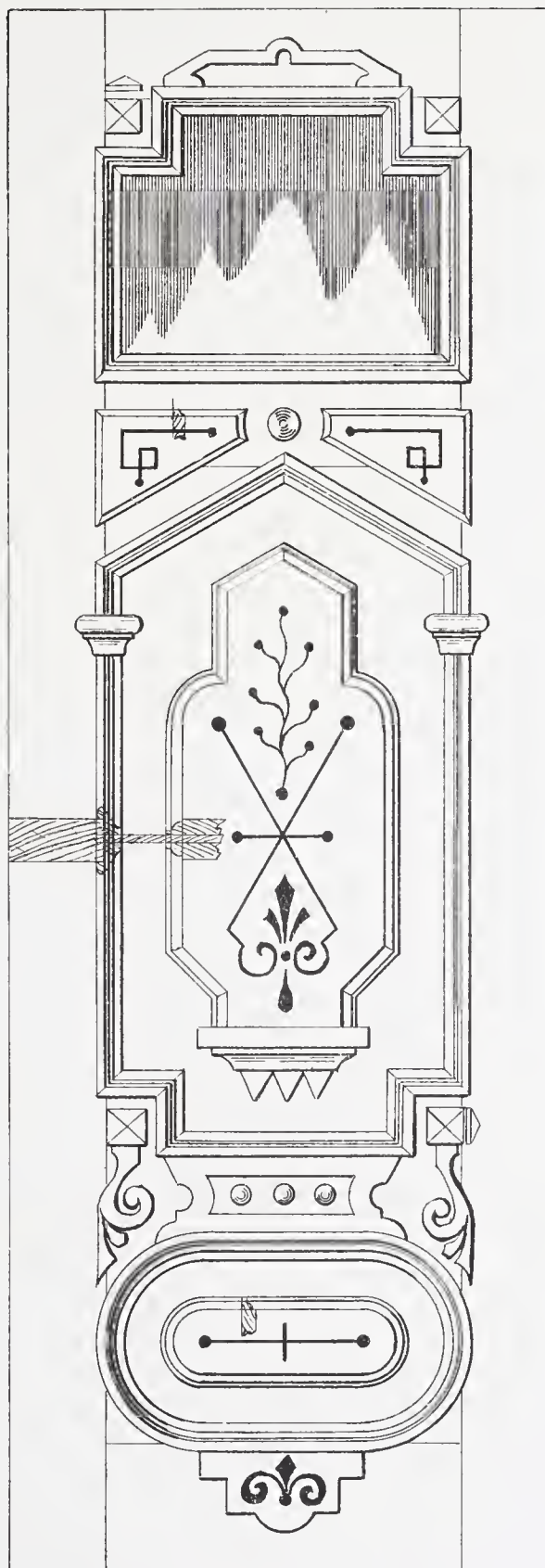


Design for a small but beautiful Villa executed in the quiet and charming
Village of Rhinebeck on the Hudson.

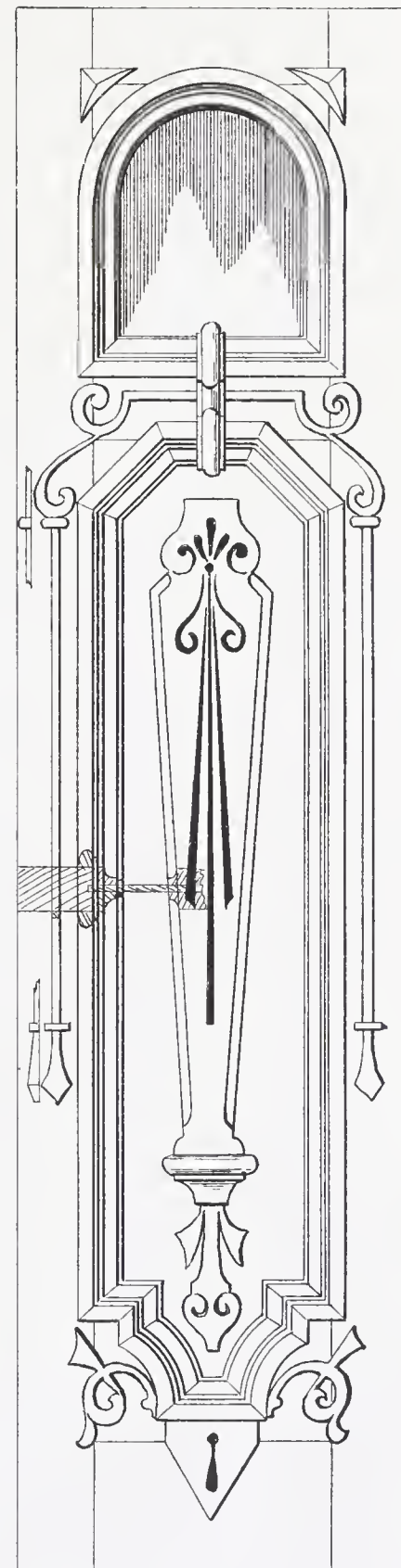
G. B. Croff, Arch't, Saratoga, N. Y.



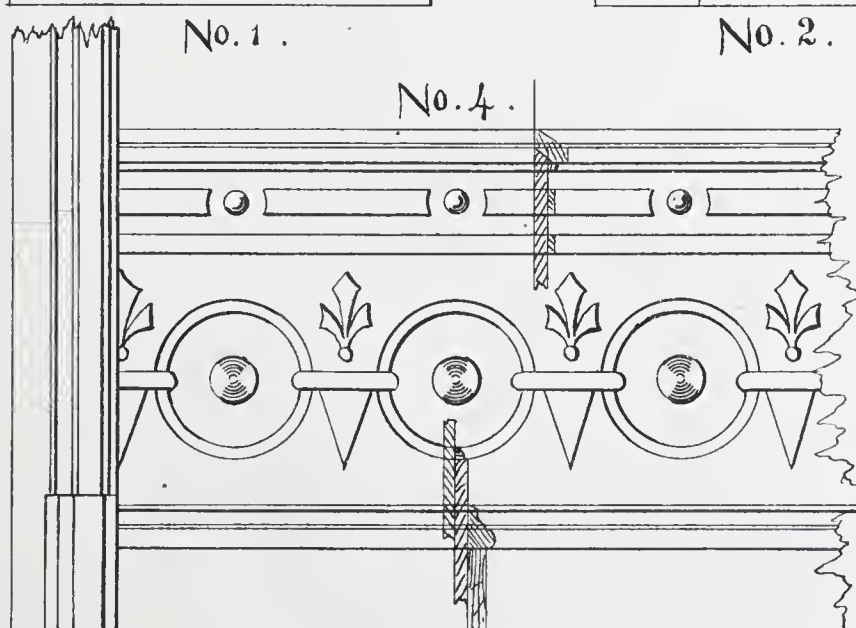
No. 1.



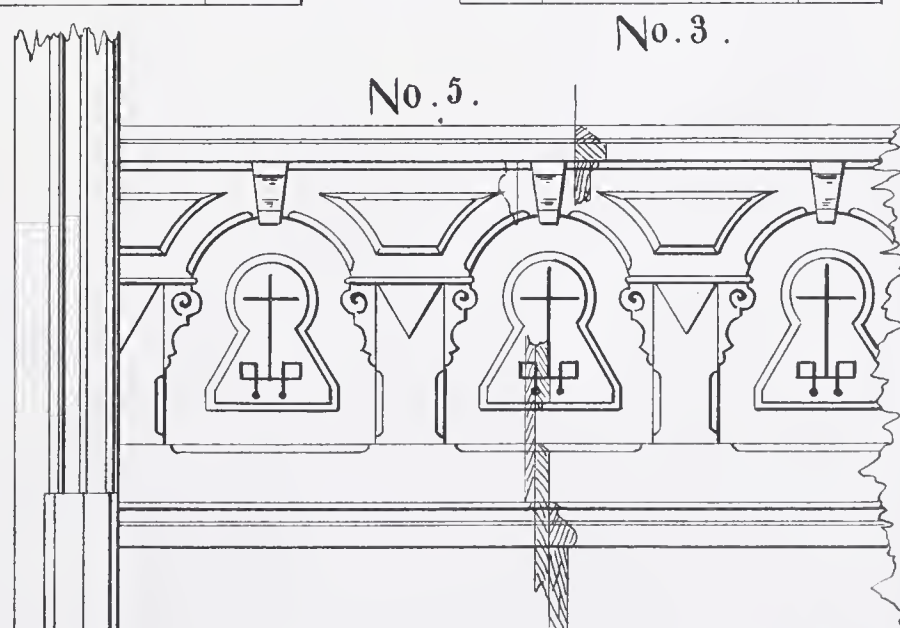
No. 2.



No. 3.



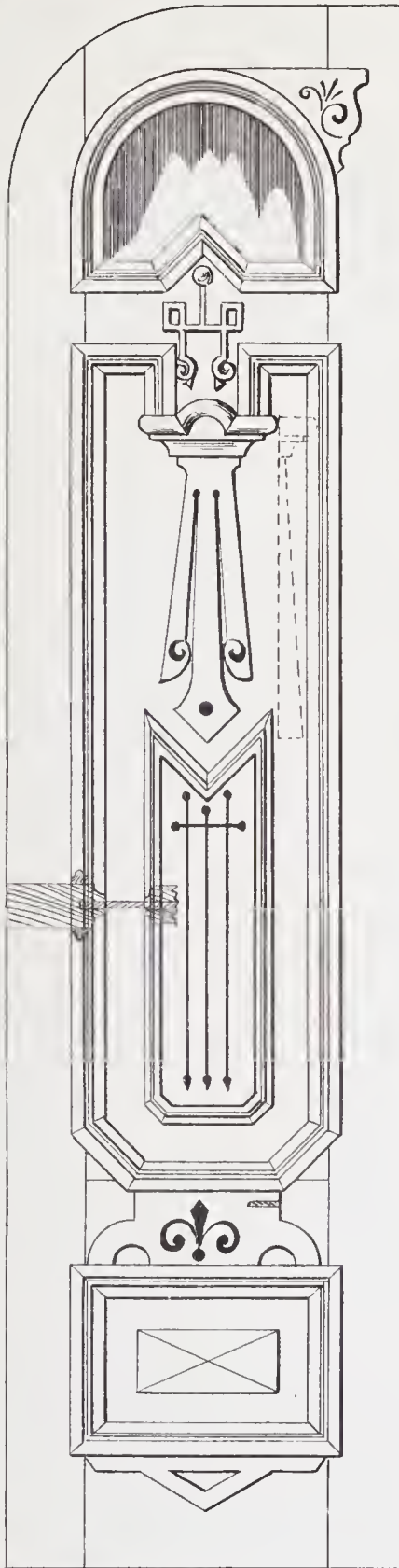
No. 4.



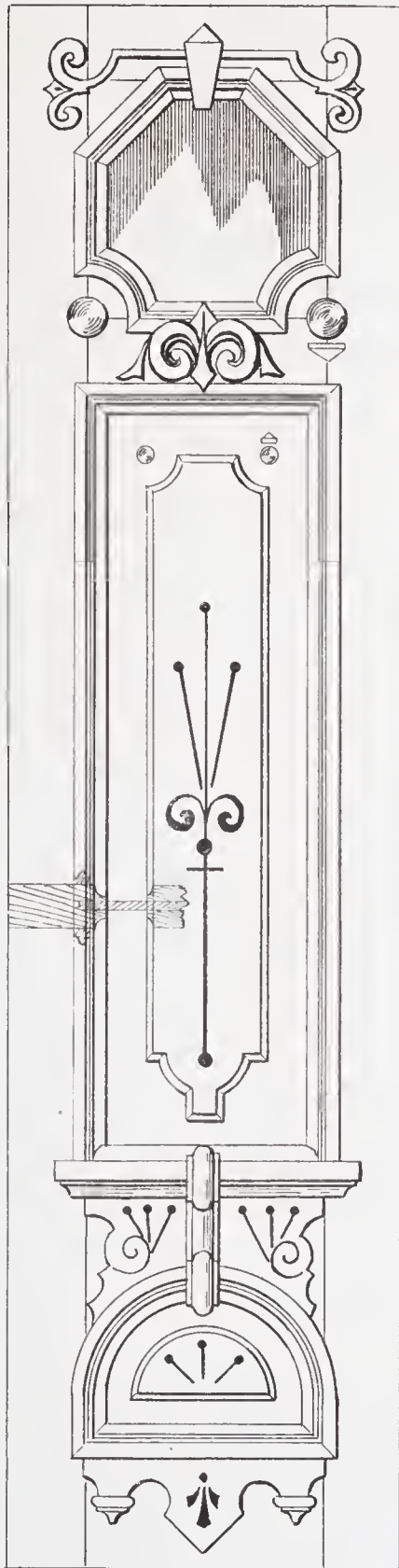
No. 5.

No. 1 is a design for a solid wood, double, street front door, with curved or square headlight, and transom above. No. 2, single street front door, headlight in top of door. No. 3, double street front door, headlight in top of door. Nos. 4 and 5 are designs for rich and costly wainscoting. The designs of doors given on this and the three succeeding plates, will be found of great service, and importance to Builders, and may be proportioned to suit any size of opening. G.B. CROFF, ARCH'T, SARATOGA, N.Y.

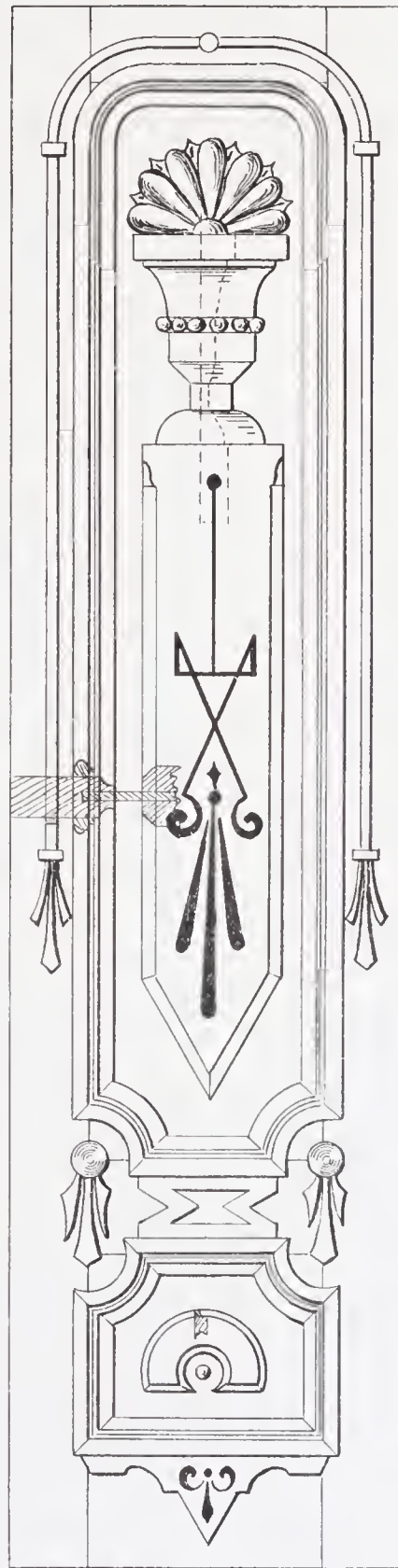
SCALE, $\frac{3}{4}$ INCH, ONE FOOT.



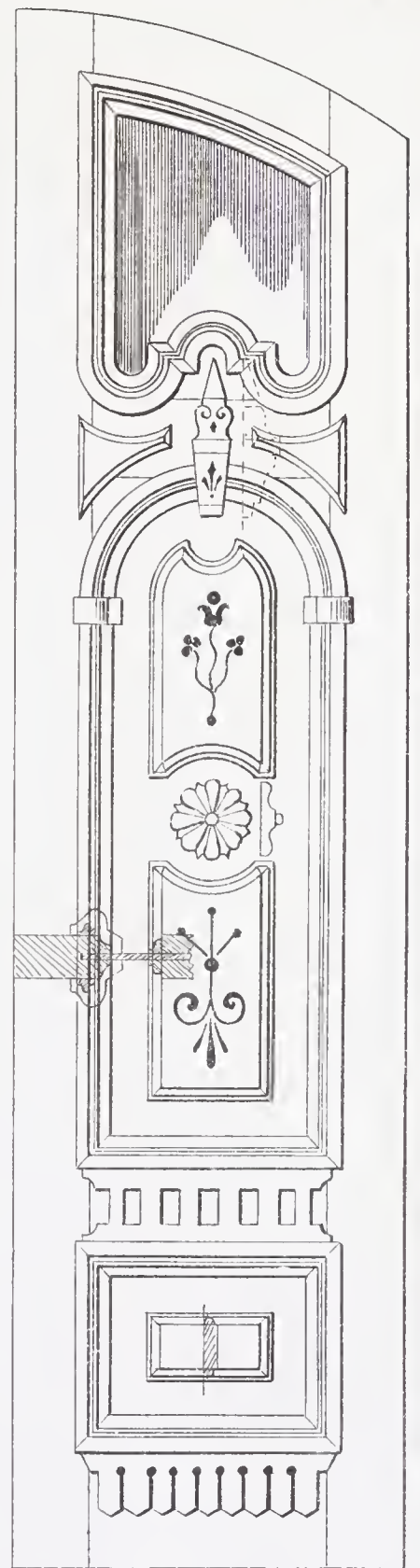
No. 1.



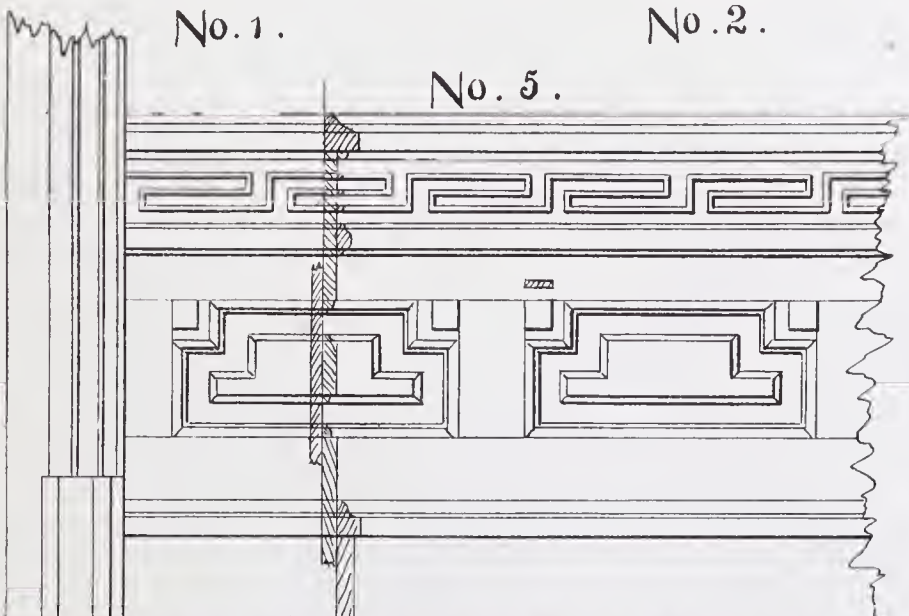
No. 2.



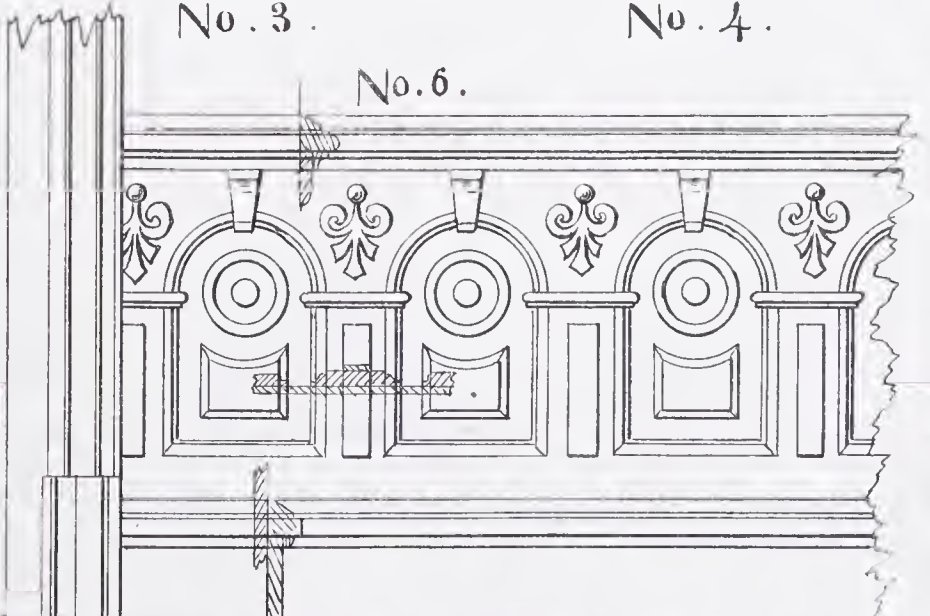
No. 3.



No. 4.



No. 5.



No. 6.

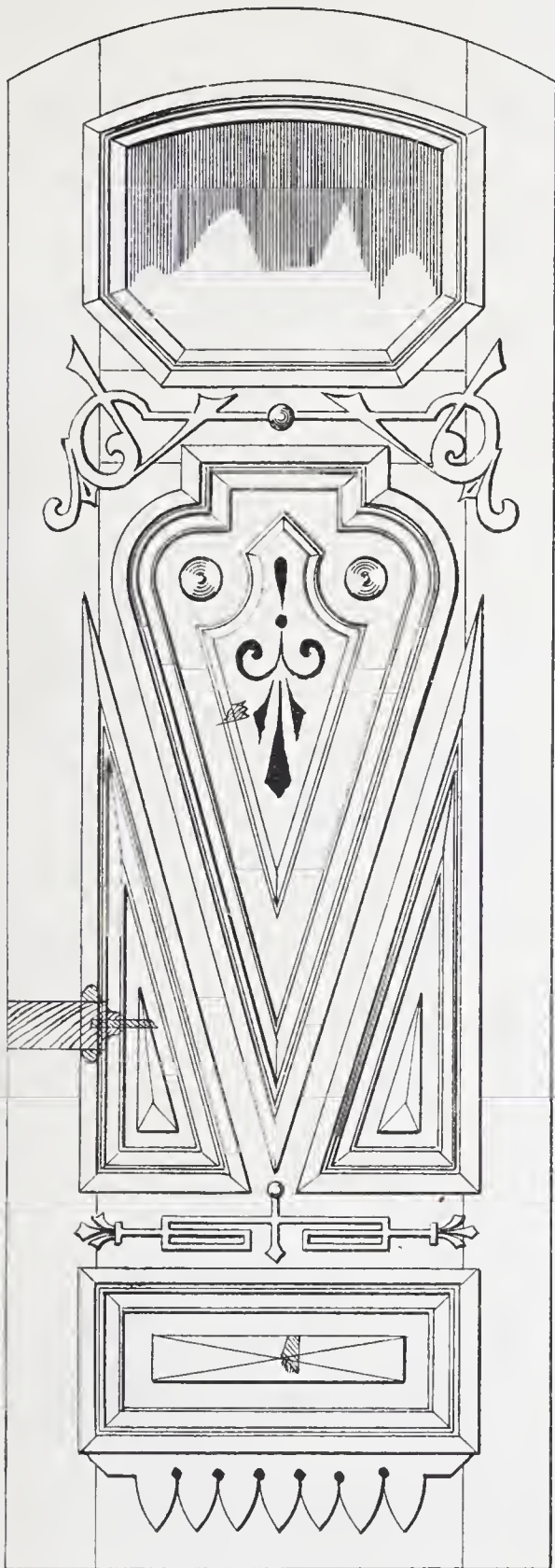
Nos. 1, 2, and 4 are designs for double, street front doors, with headlight in top of door; these designs are suitable also for inside vestibule doors, by changing middle panel of wood for ground glass.

No. 3, to be employed with transom, and headlight above. These doors are easily and cheaply constructed, but present an elaborate and costly appearance, and are appropriate for a fine class of houses.

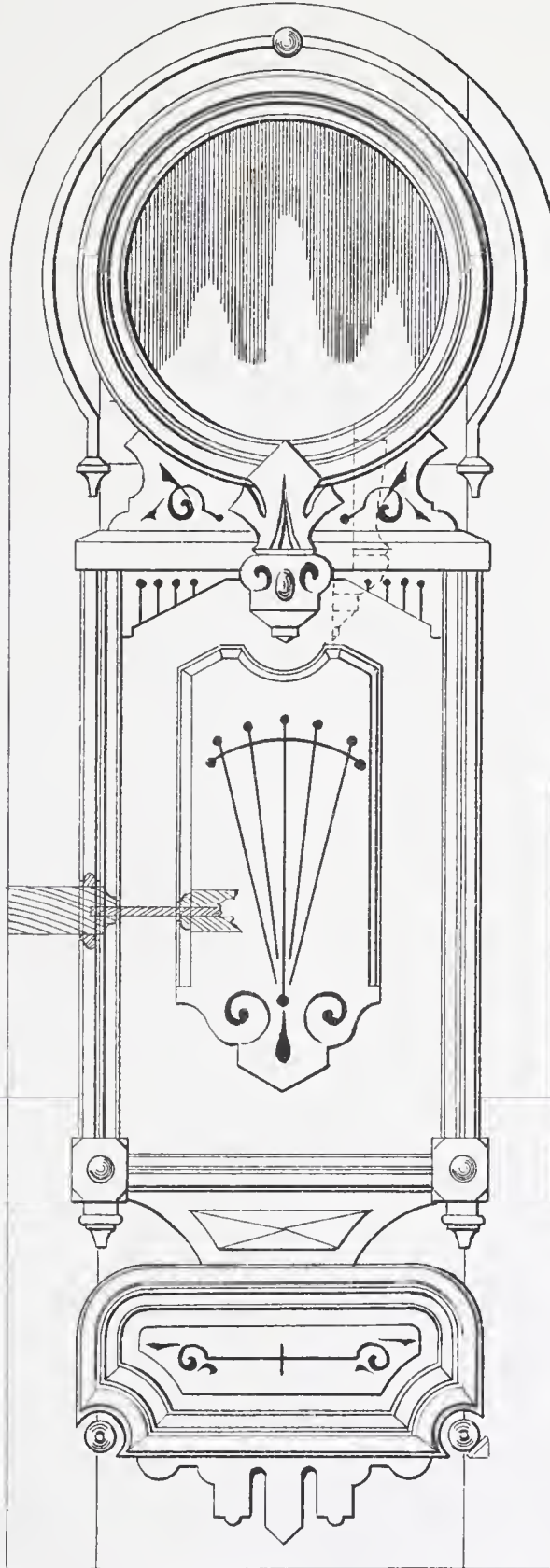
Nos. 5 and 6 are designs of rich wainscoting for Libraries, &c.

SCALE, $\frac{3}{4}$ INCH, ONE FOOT.

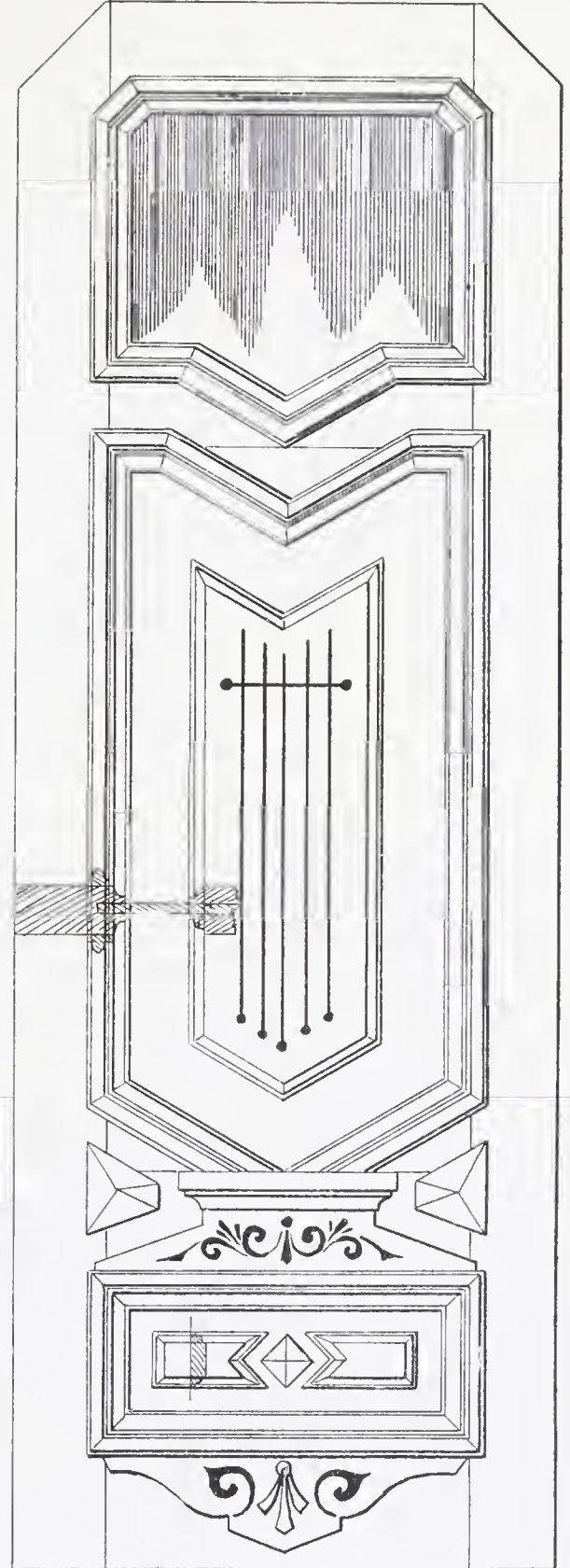
G. B. CROFF, ARCH'T, SARATOGA, N. Y.



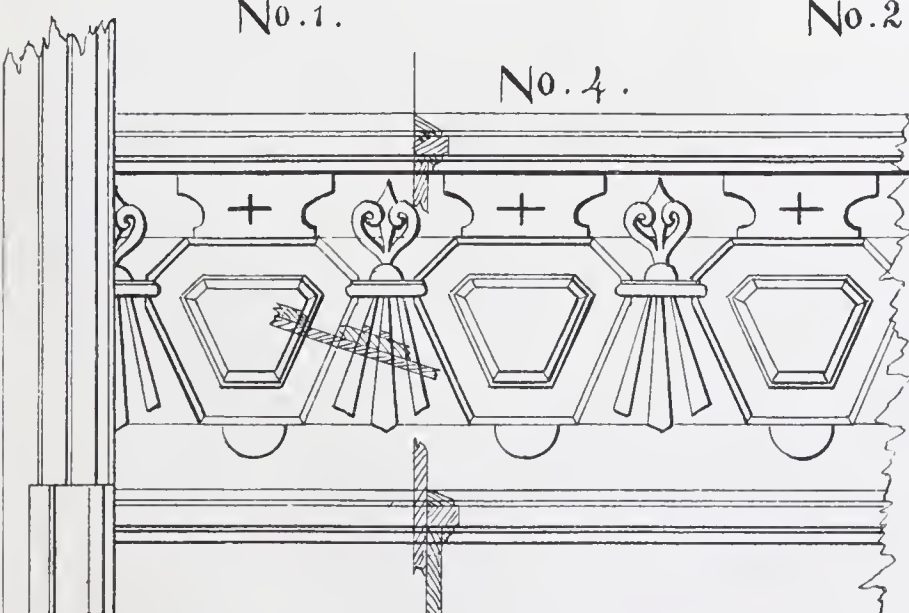
No. 1.



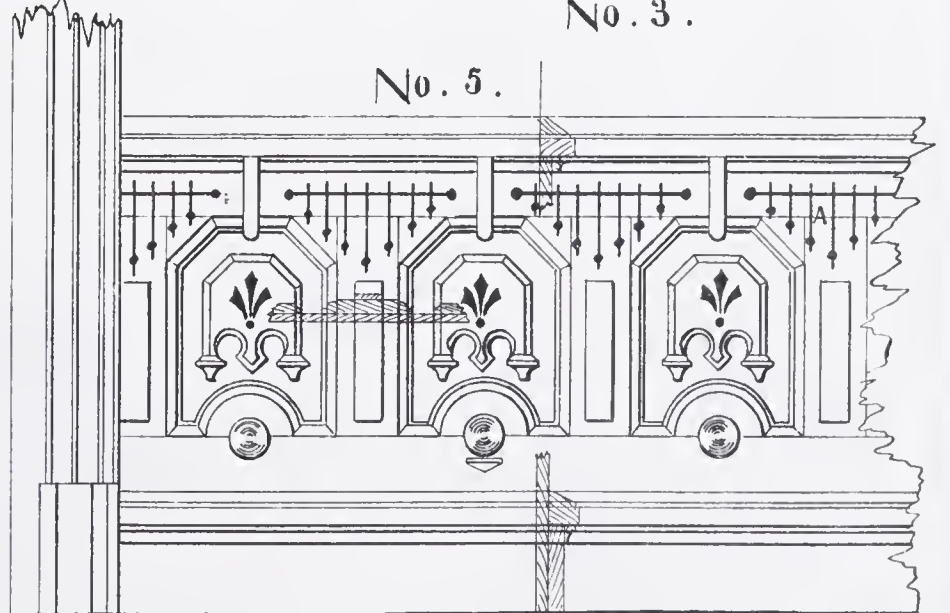
No. 2.



No. 3.



No. 4.

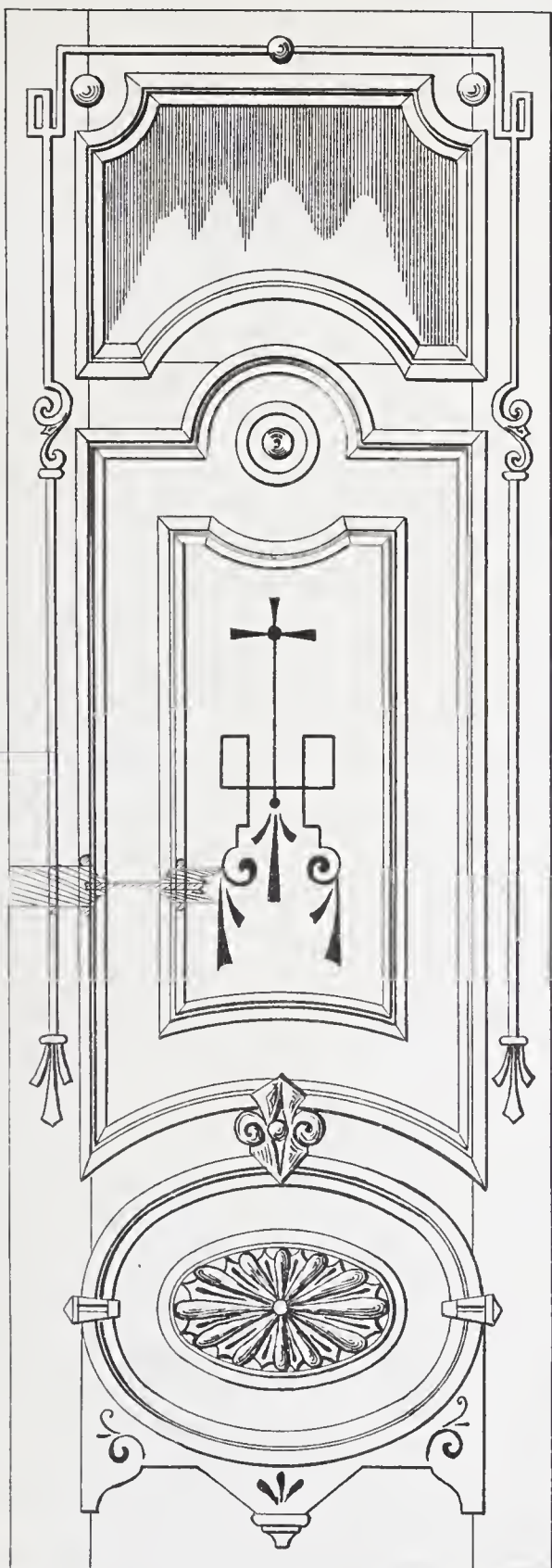


No. 5.

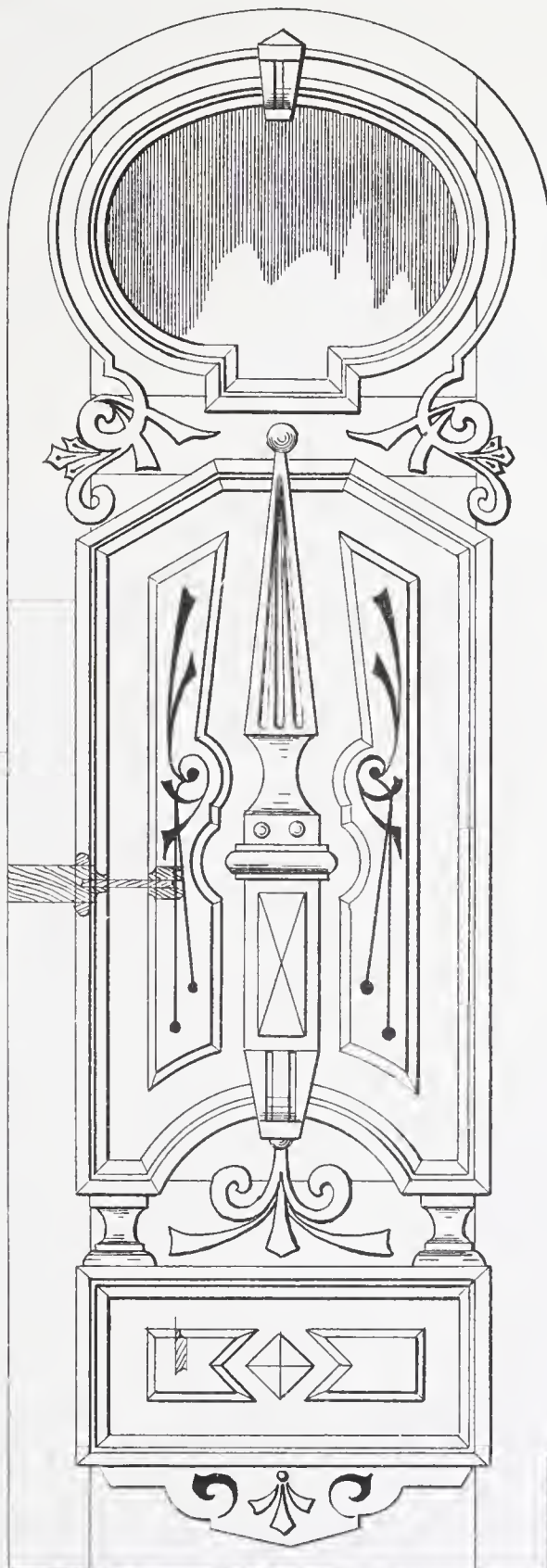
Nos. 1, 2, and 3, are designs for single, street entrance doors, of rich and unique conception. Nos. 4, and 5, are designs for wainscoting. No. 5, decorated in some of its features, with engraved and gilded lines, as at "A". Either is suitable for rich and elaborate apartments.

SCALE, $\frac{3}{4}$ INCH, ONE FOOT.

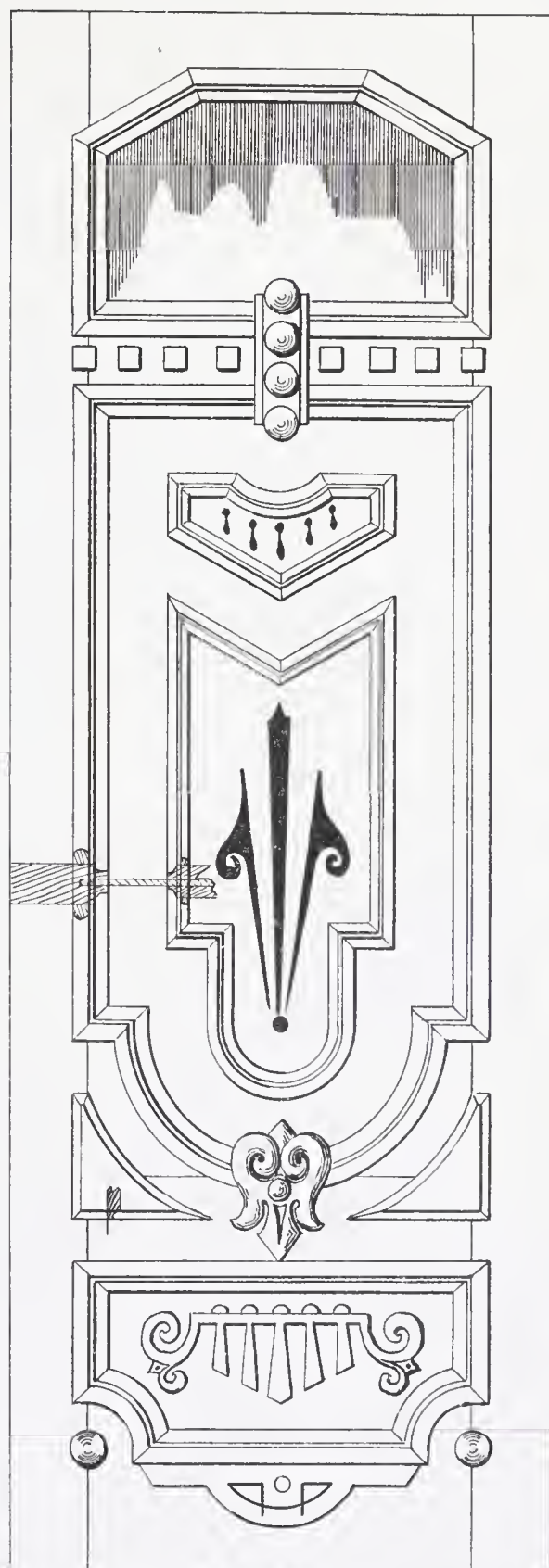
G. B. CROFF, ARCH'T, SARATOGA, N. Y.



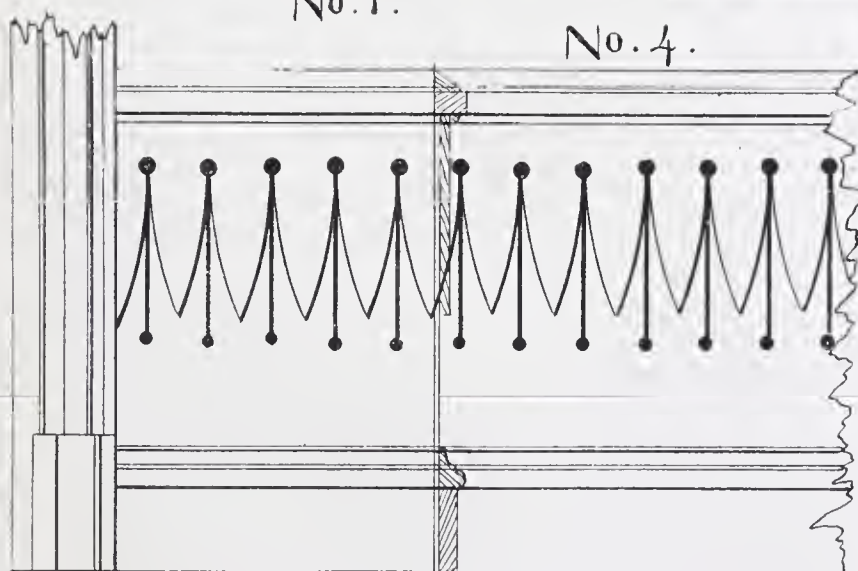
No. 1.



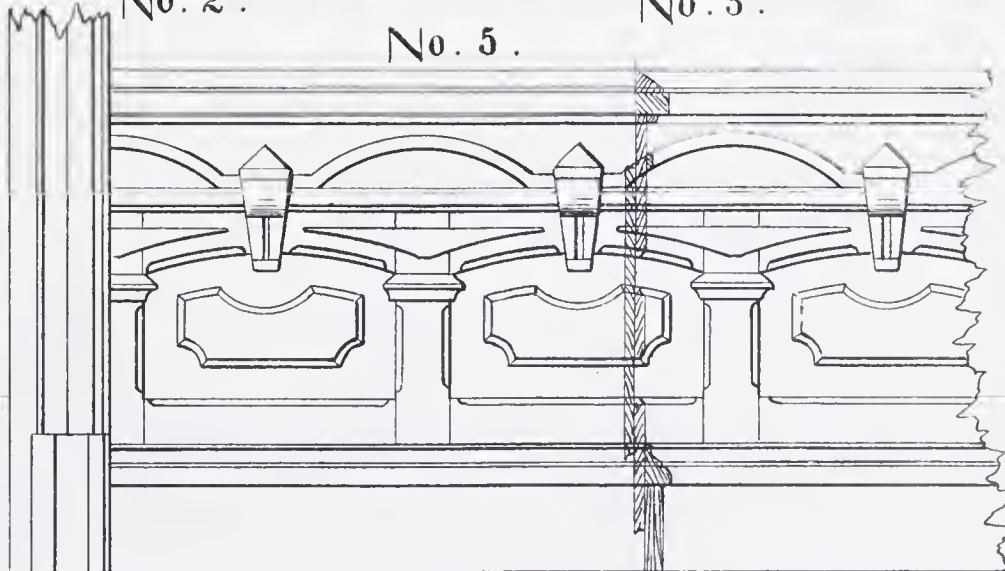
No. 2.



No. 3.



No. 4.



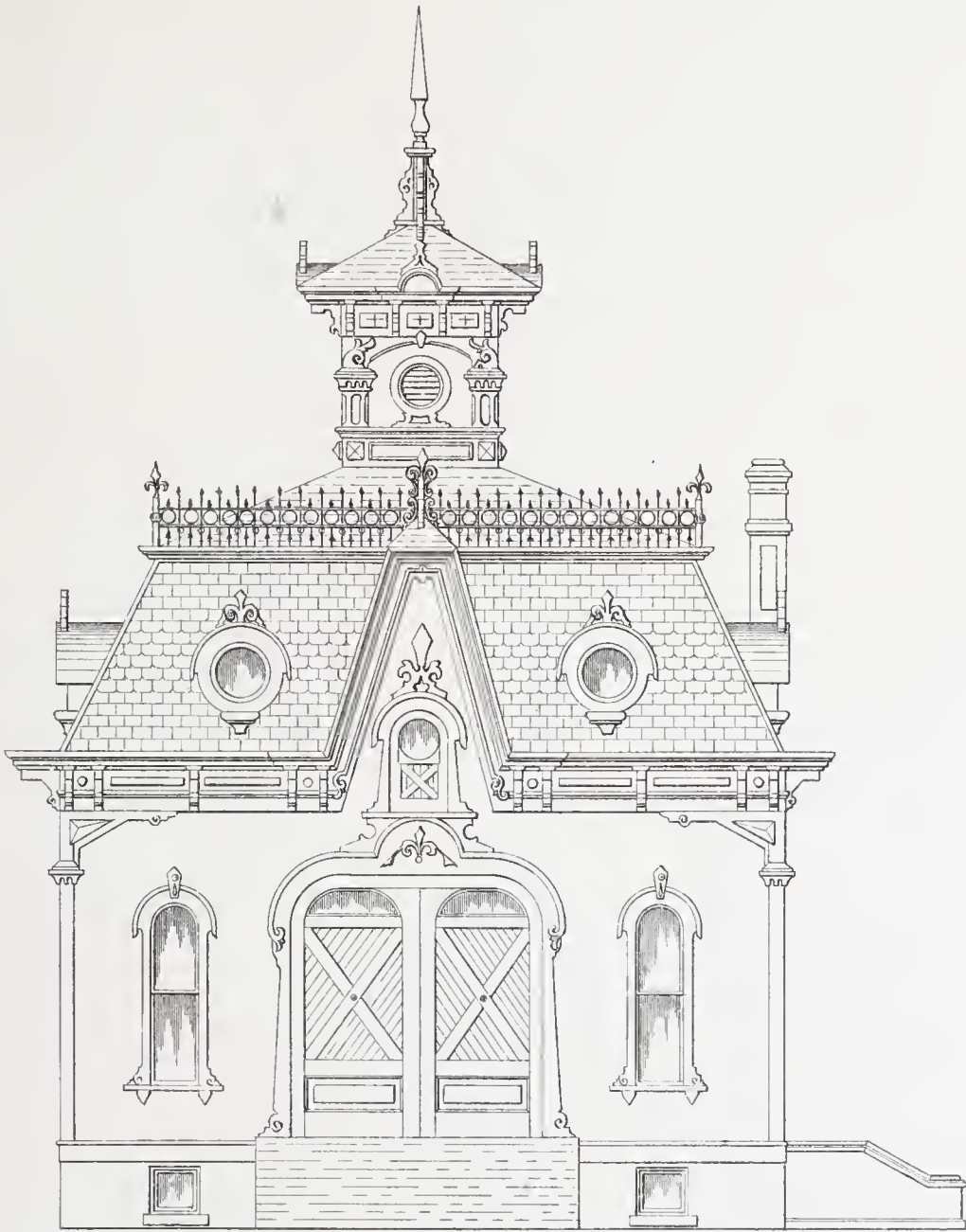
No. 5.

Nos. 1, 2, and 3 of this Plate are designs for rich, single, street entrance doors.

Nos. 4 and 5 are designs for wainscoting, suitable for halls and stair-cases, and dining-halls.

SCALE, $\frac{3}{4}$ INCH, ONE FOOT.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.



DESIGN FOR STABLE .
executed in connection with a fine
VILLA , AT BURLINGTON .VT.



DESIGN FOR STABLE .PREPARED FOR EXECUTION IN
SARATOGA SPRINGS , N.Y.

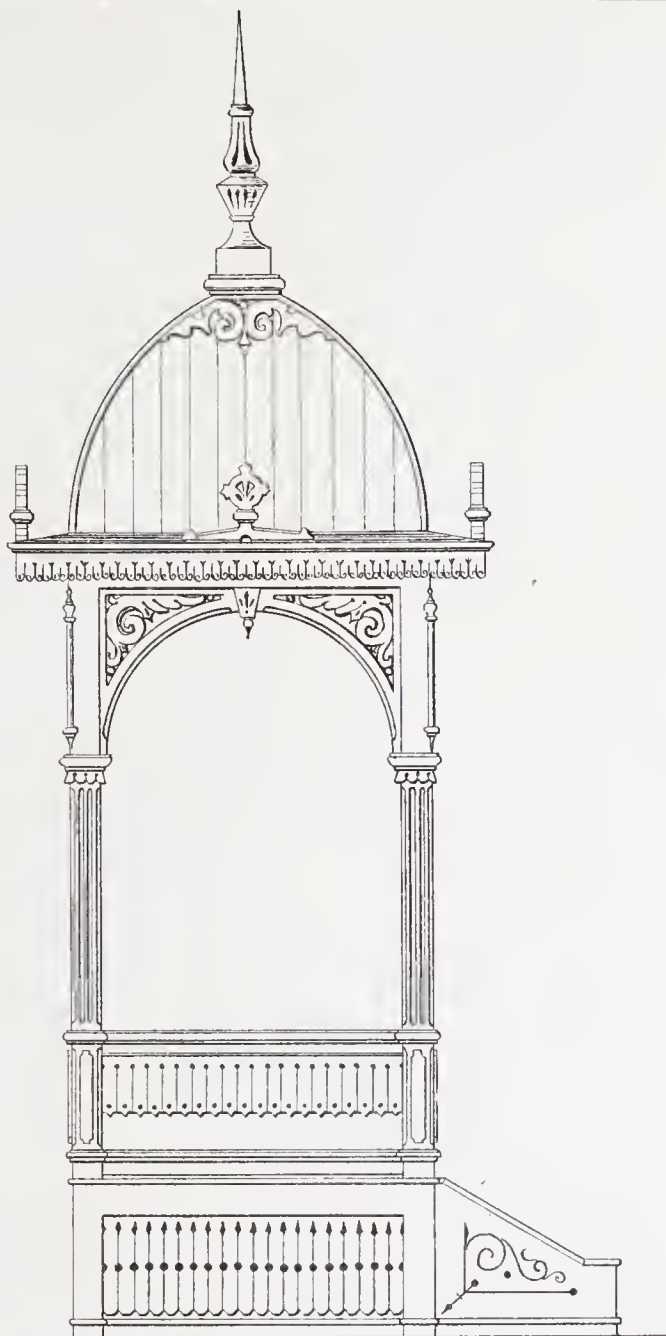
Scale of Feet .
0 1 2 3 4 5 6 12



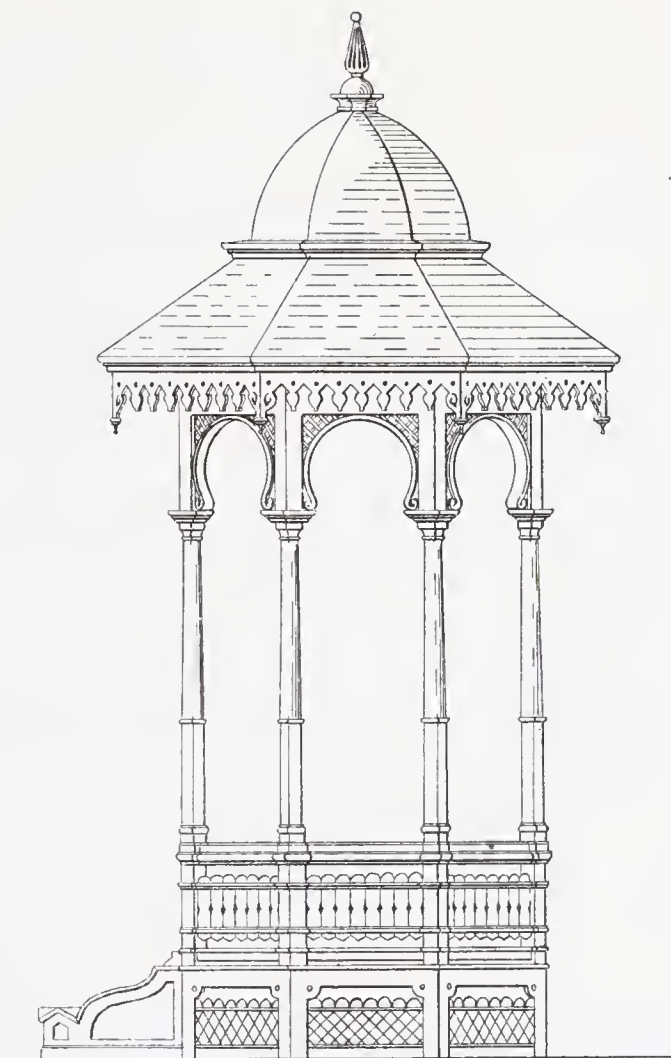
DESIGN FOR STABLE .executed in connection with a fine
VILLA AT PHILMONT , N.Y.

Scale of Feet .
0 1 2 3 4 8 12

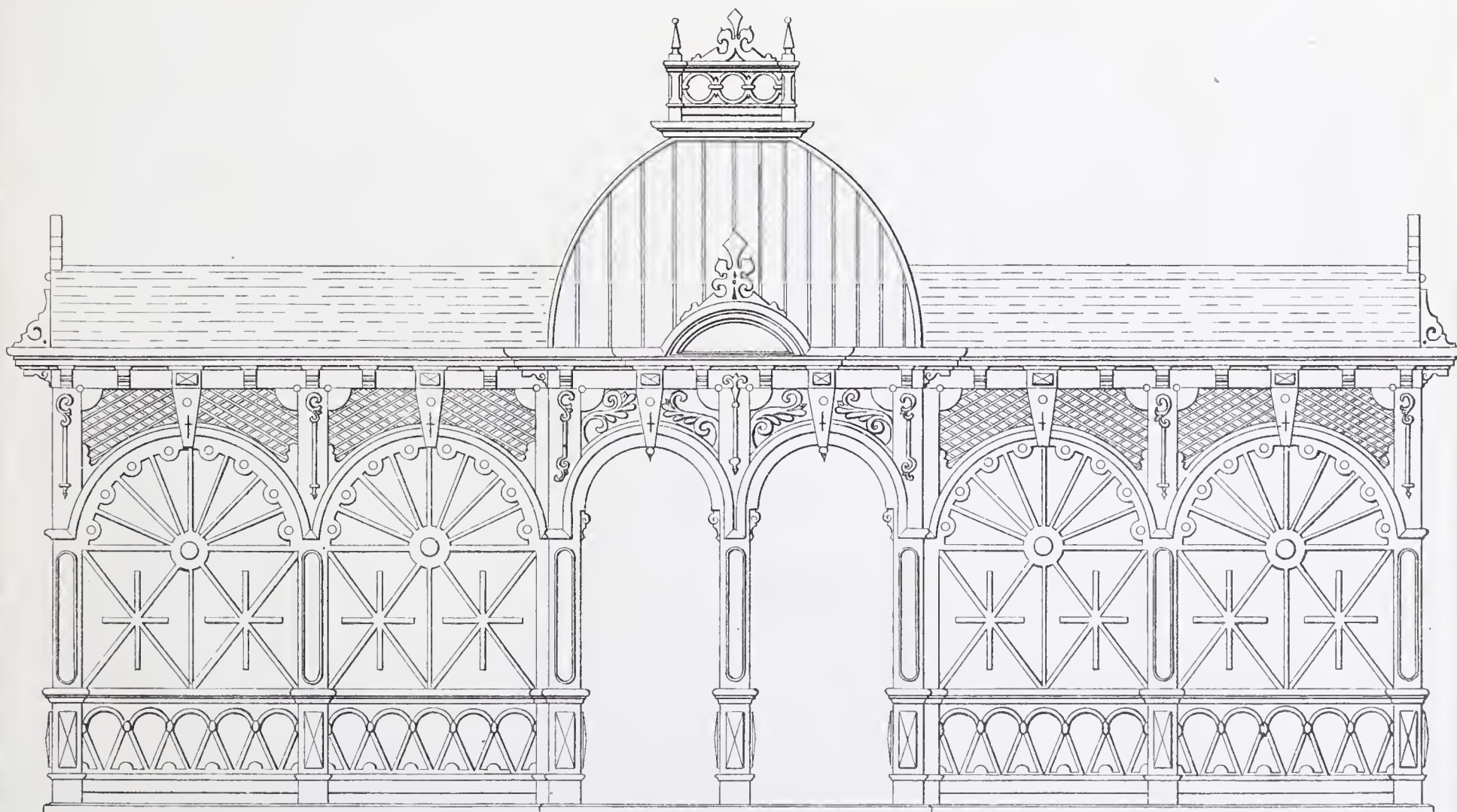
G.B.Croff . Architect , Saratoga , N.Y.



SMALL OBSERVATORY.
Designed for execution at Saratoga Lake.



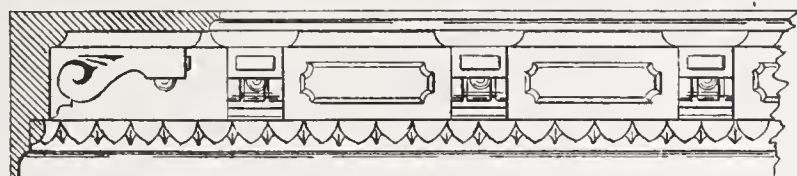
A LOOK-OUT SUMMER-HOUSE,
for a Garden Terrace.



A rich and spacious ARBOR, erected in the GROUNDS of a beautiful VILLA, in SARATOGA, N.Y.

Scale, $\frac{3}{8}$ inch, one foot.

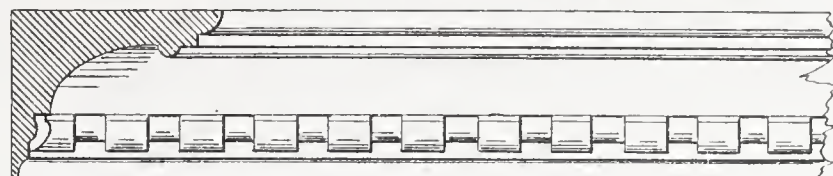
G. B. Croff, Architect, Saratoga, N.Y.



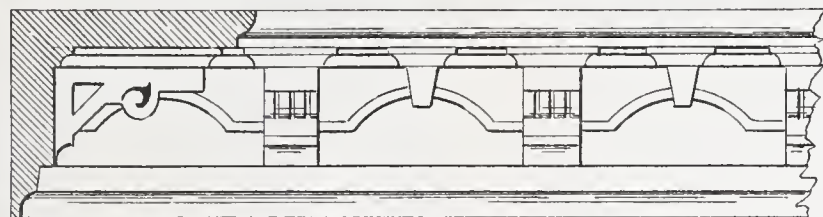
No. 1.



No. 11.



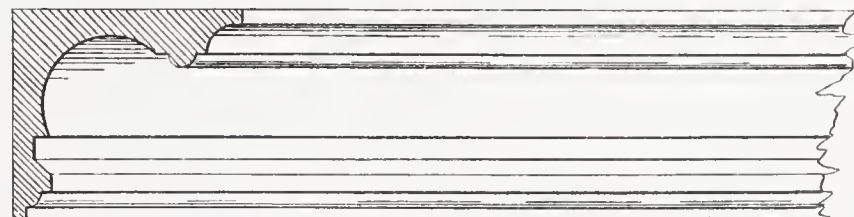
No. 2.



No. 3.

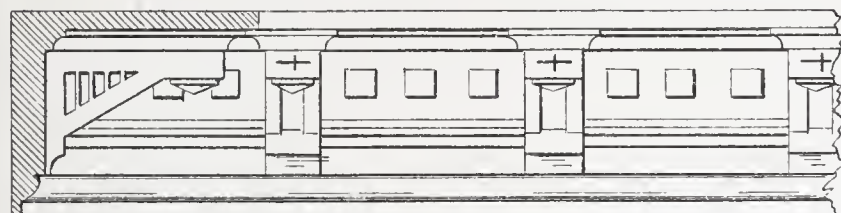


No. 12.



No. 4.

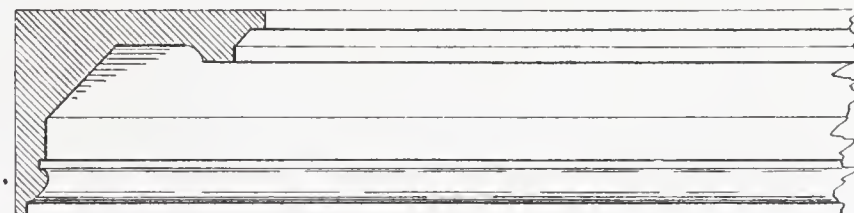
Scale for Cornices, $\frac{3}{4}$ inch to one foot.



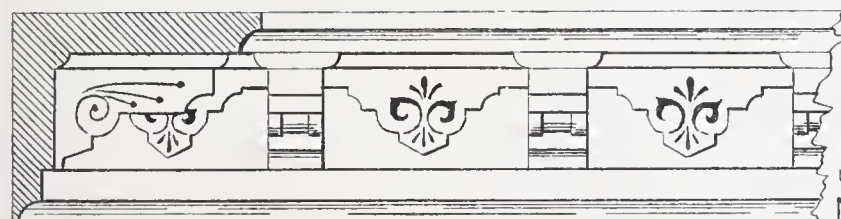
No. 5.



No. 13.



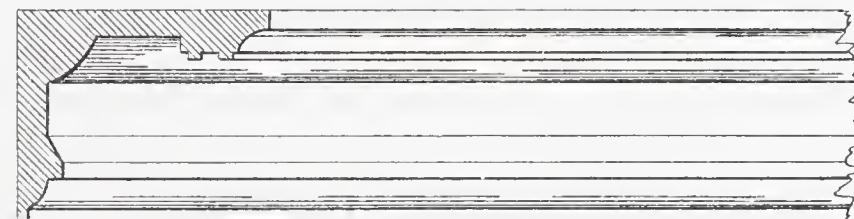
No. 6.



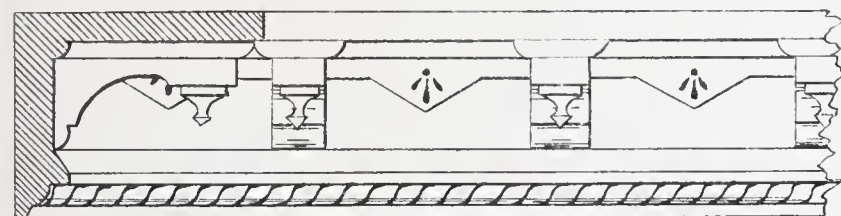
No. 7.



No. 14.



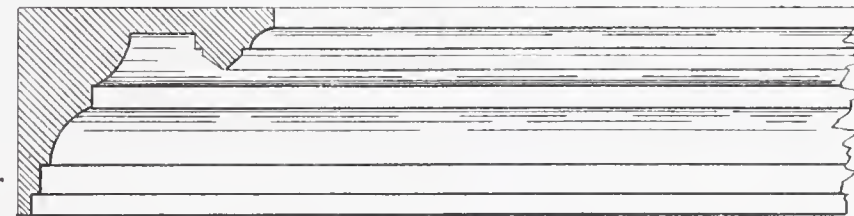
No. 8.



No. 9.

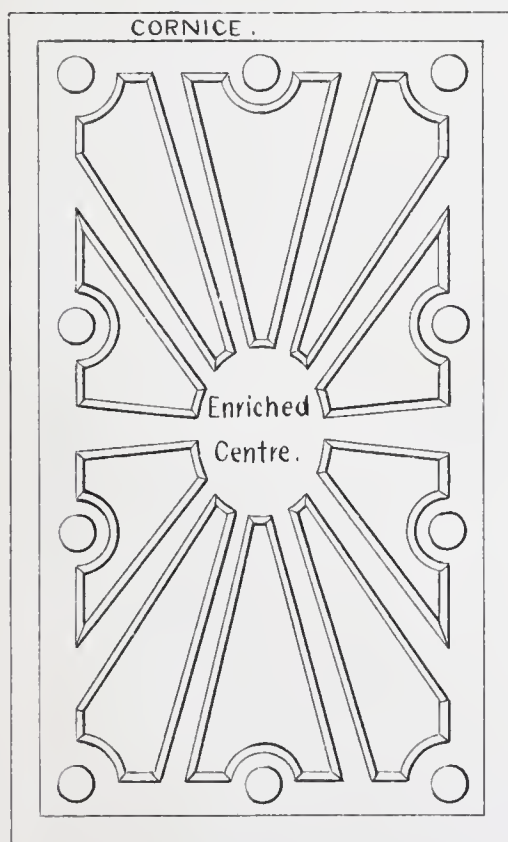


No. 15.

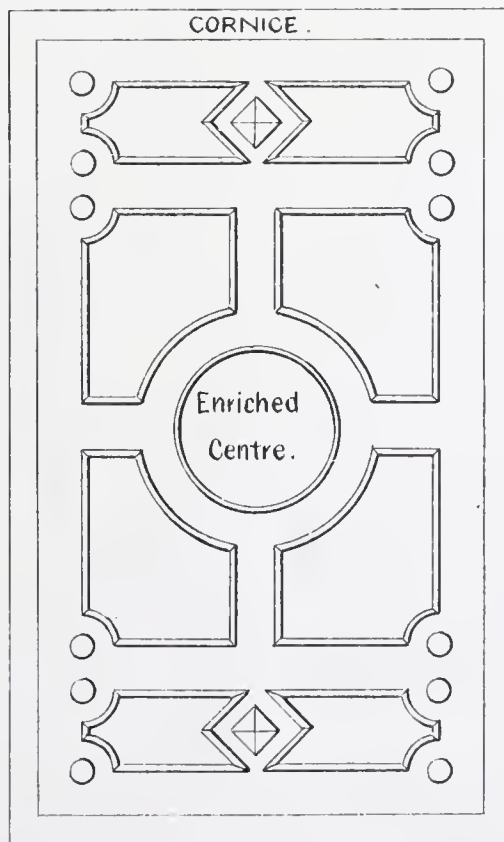


No. 10.

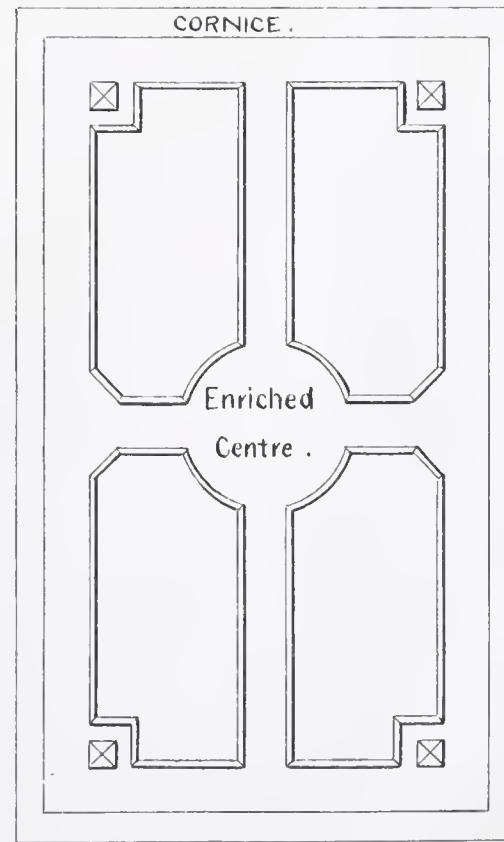
Scale for Ceilings, 12 feet to one inch.



No. 16.

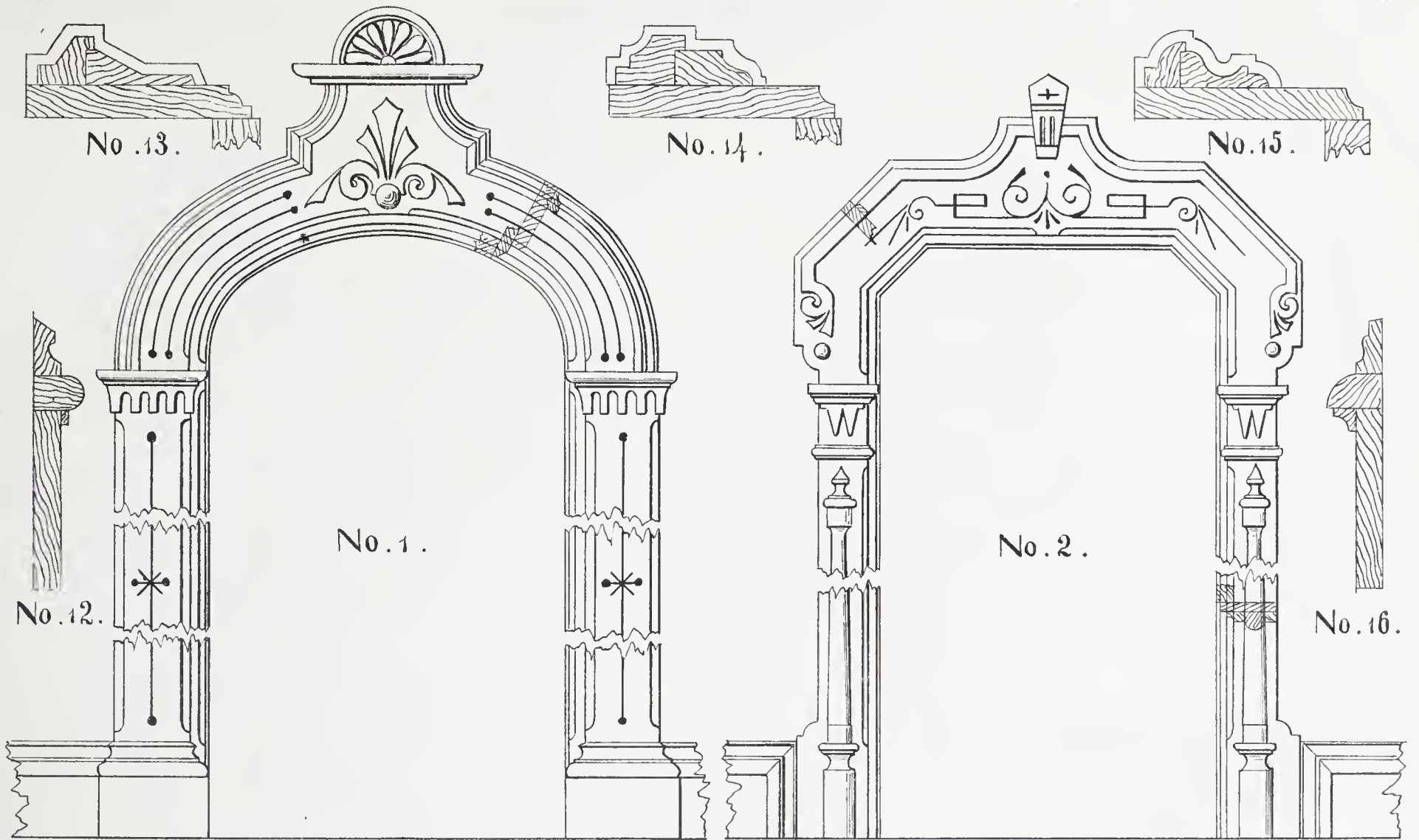


No. 17.

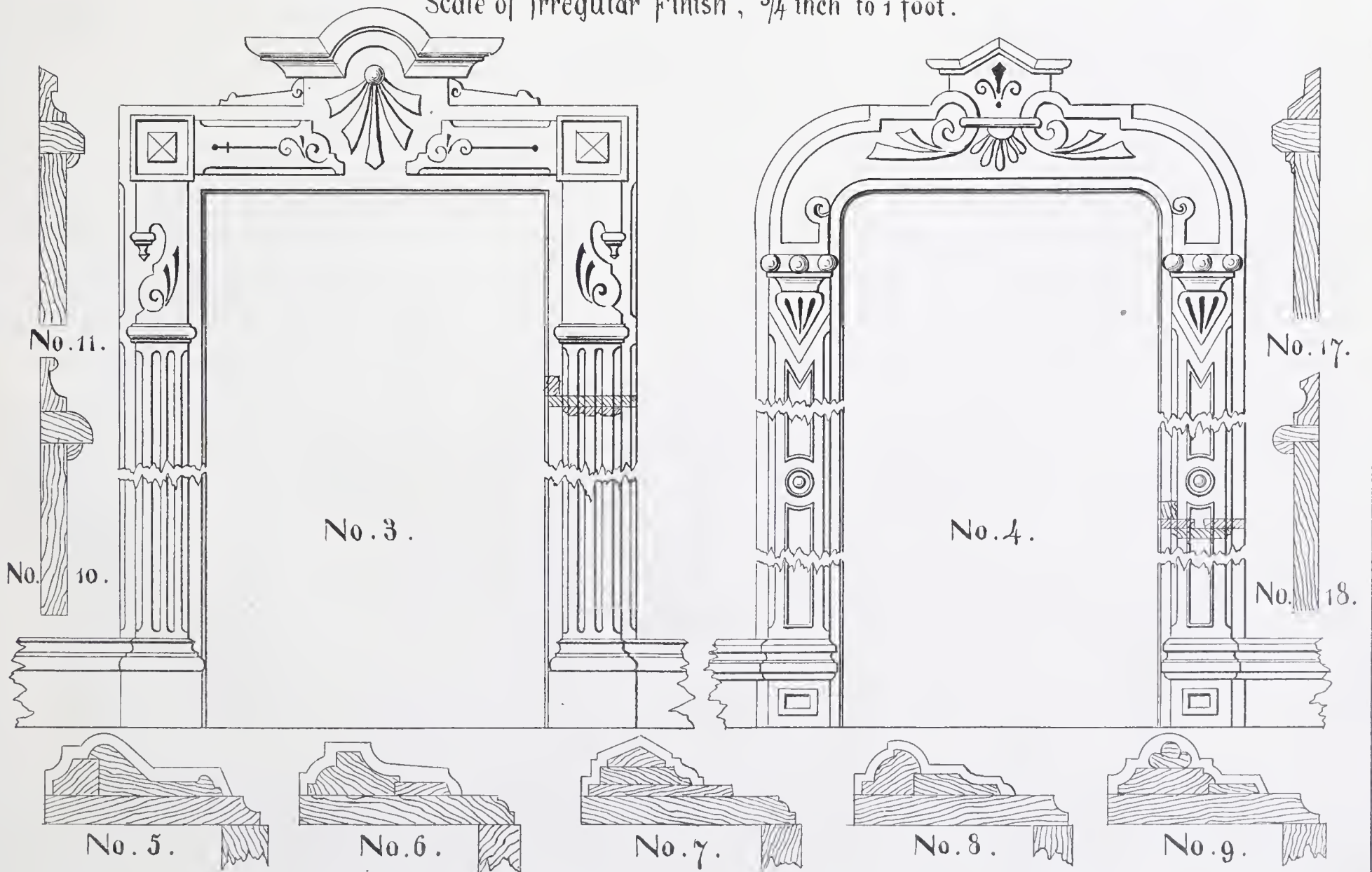


No. 18.

This Plate contains Ten Designs for Plaster Cornices, Five Panel Moulds, at Nos. 11, 12, 13, 14, 15, and Three Designs for Paneled Ceilings of rooms 24 x 40 ft. The effect of these ceilings will be very rich, and the shadows of the cornices intense and varied. G.B. CROFF, ARCH'T, SARATOGA, N.Y.

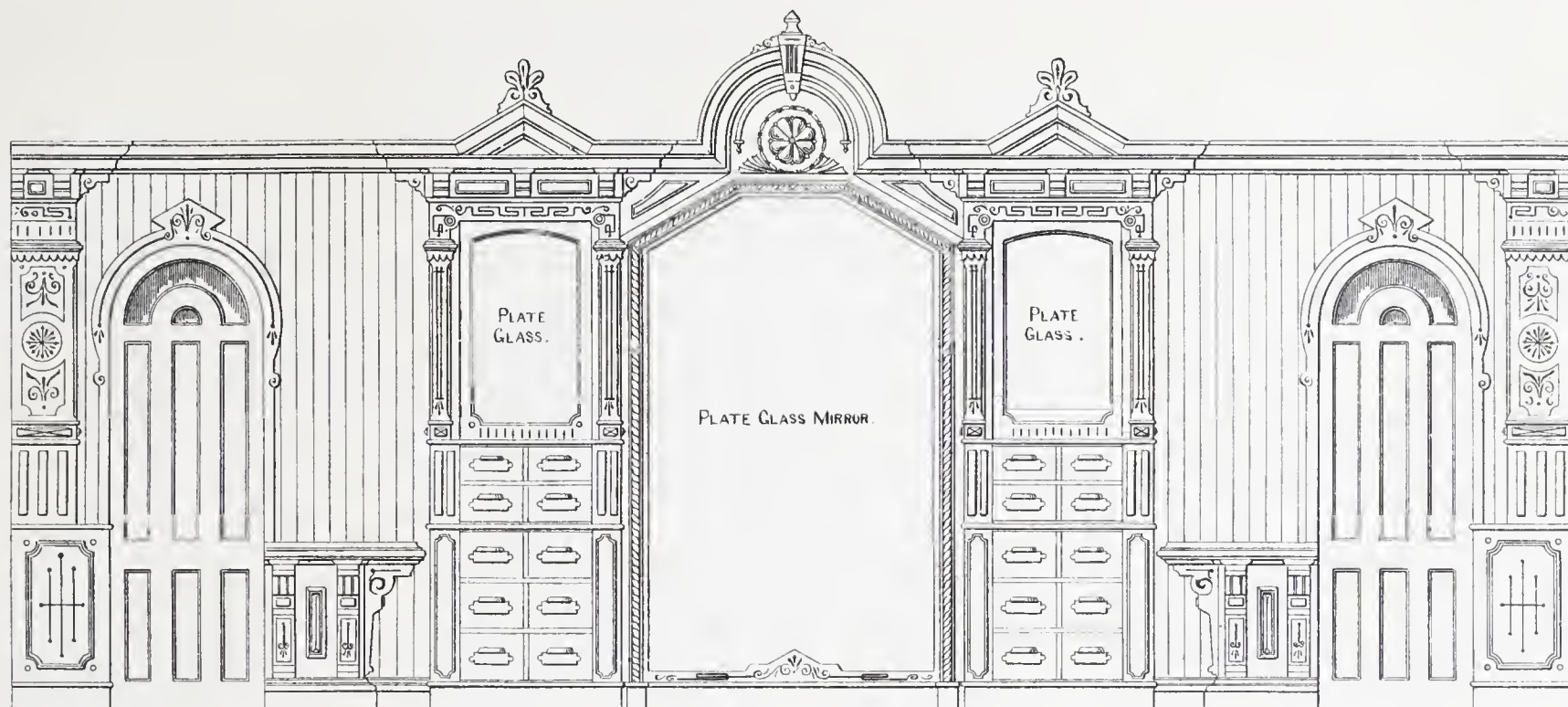


Scale of Moulded Base and Architraves, $2\frac{1}{4}$ in. to 1 foot.
 Scale of Irregular Finish, $\frac{3}{4}$ inch to 1 foot.



Nos. 1, 2, 3, 4, are irregular ornamental interior Finish, not extremely expensive, but very rich in appearance. Nos. 10, 11, 12, 16, 17, 18 are moulded bases. Nos. 5, 6, 7, 8, 9, 13, 14, 15, are architraves for interior finish, plain and bold, and very pleasing.

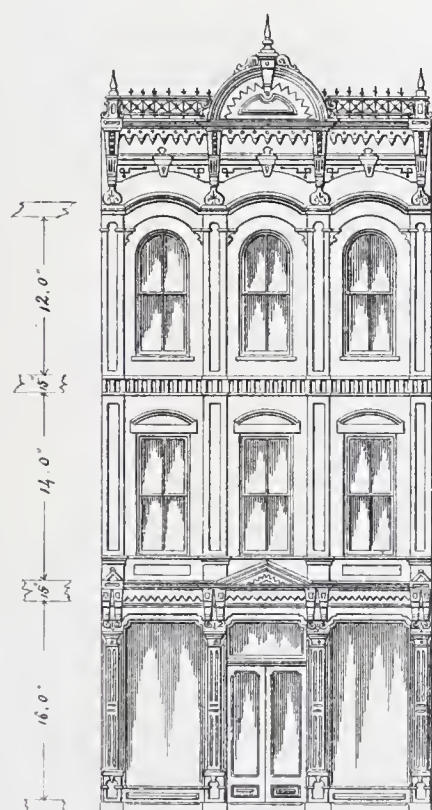
G.B. CROFF, ARCH'T. SARATOGA, N.Y.



SCREEN PARTITION, executed in a DRUG STORE, in Burlington, Vt.

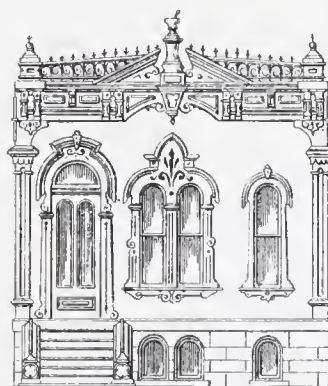
SCALE OF FEET.
0 1 2 3 4

The effect of this Partition is extremely beautiful in execution.



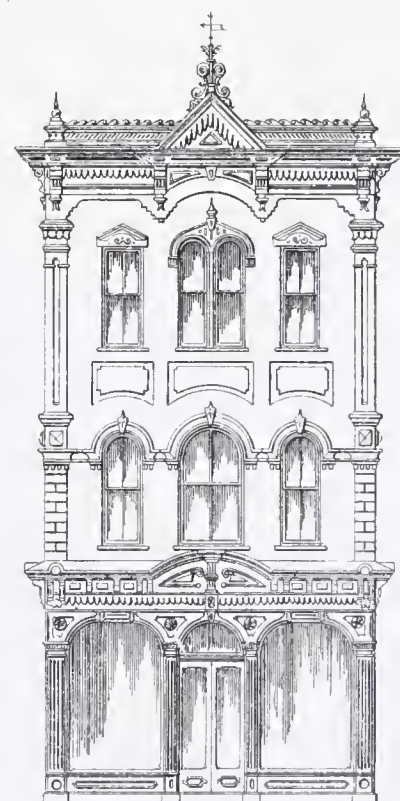
STORE FRONT ON 25 FT. LOT.

SCALE 0 1 2 3 4 8 12



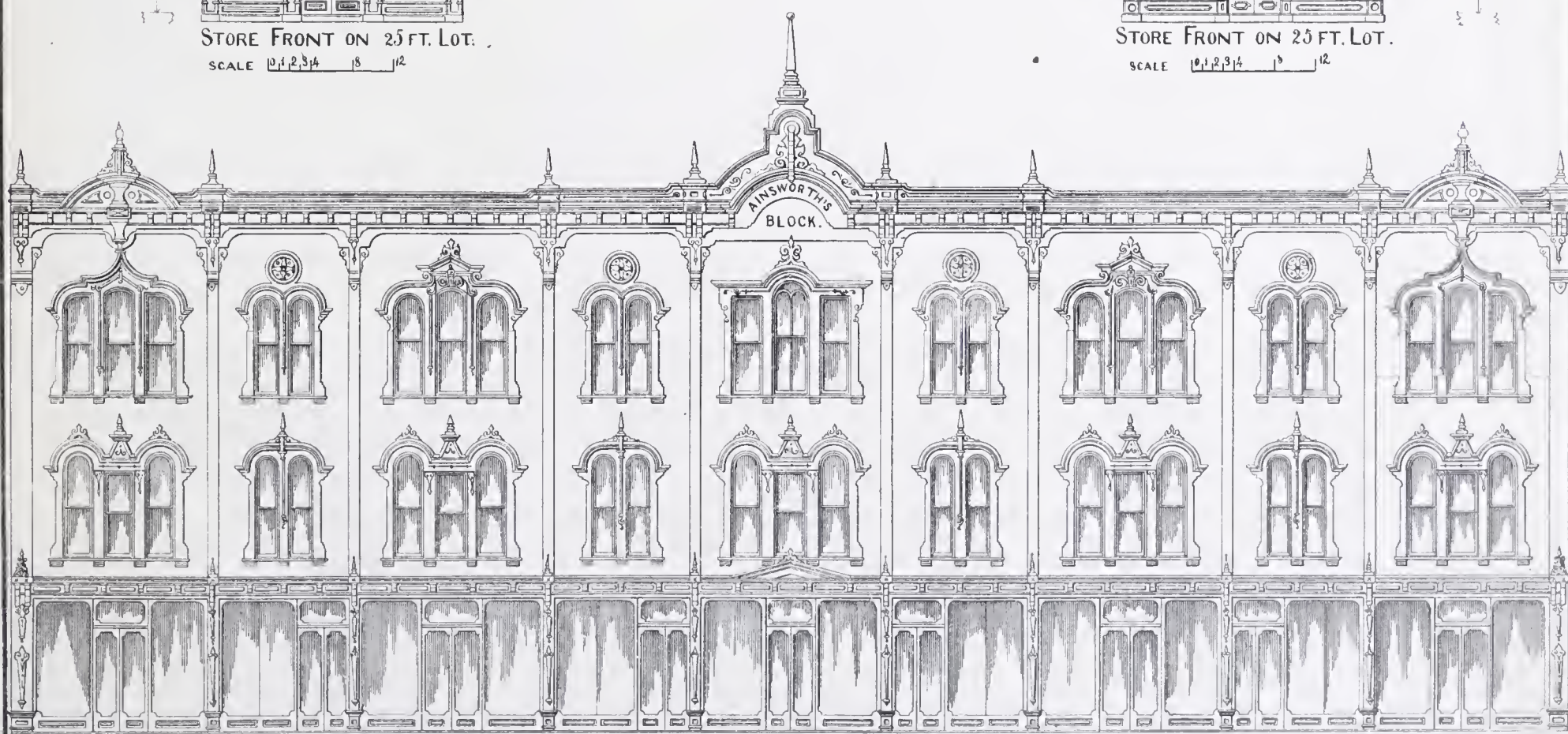
STREET FRONT OF A VILLAGE DOCTOR'S OFFICE.

SCALE OF FEET.
0 1 2 3 4 8 12



STORE FRONT ON 25 FT. LOT.

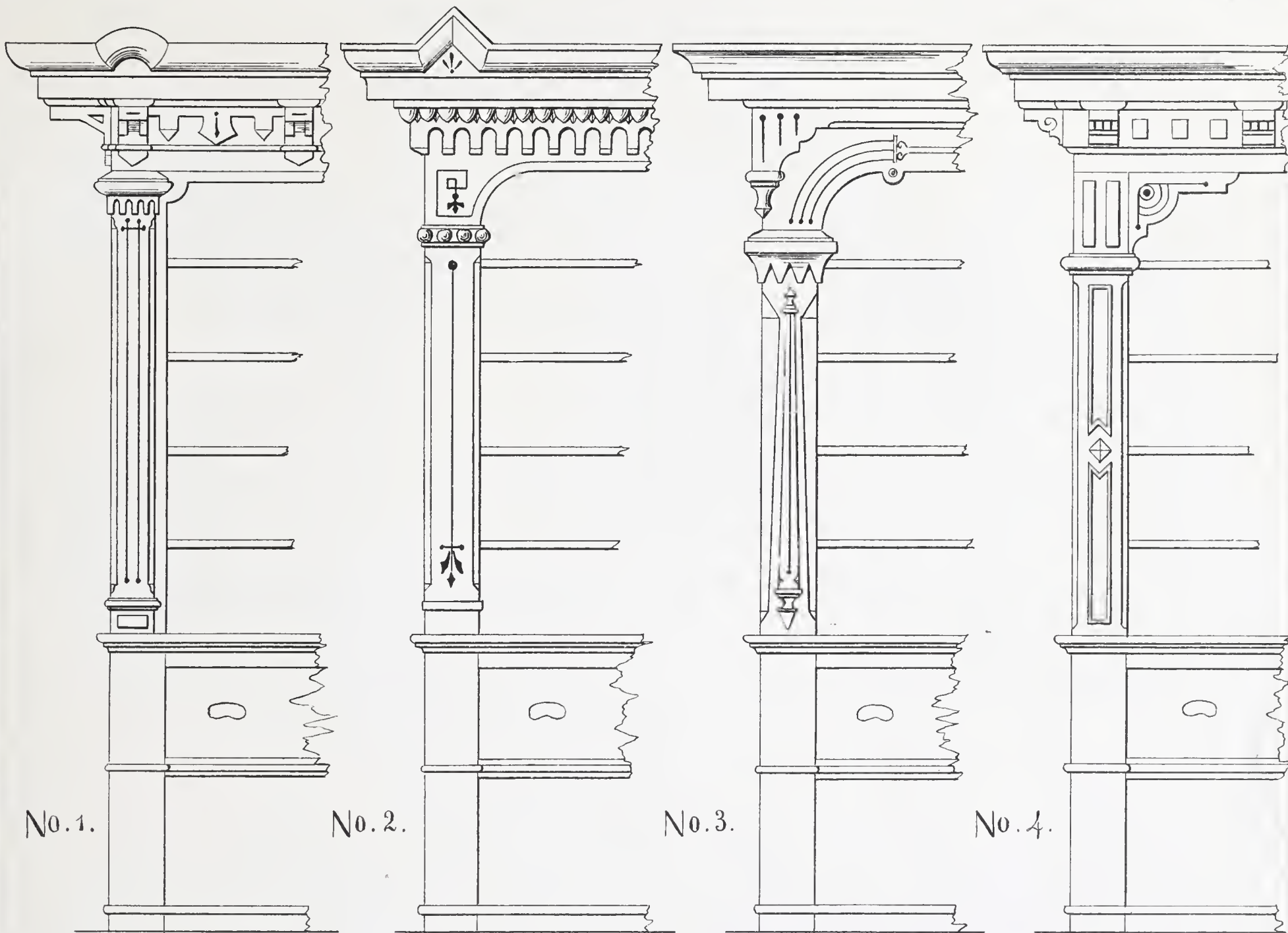
SCALE 0 1 2 3 4 8 12



A BLOCK OF STORES, with Apartments connected. Executed on BROADWAY, SARATOGA SPRINGS, N.Y.

0 1 2 3 4 8 12 16

G. B. CROFF, ARCH'T. SARATOGA, N.Y.

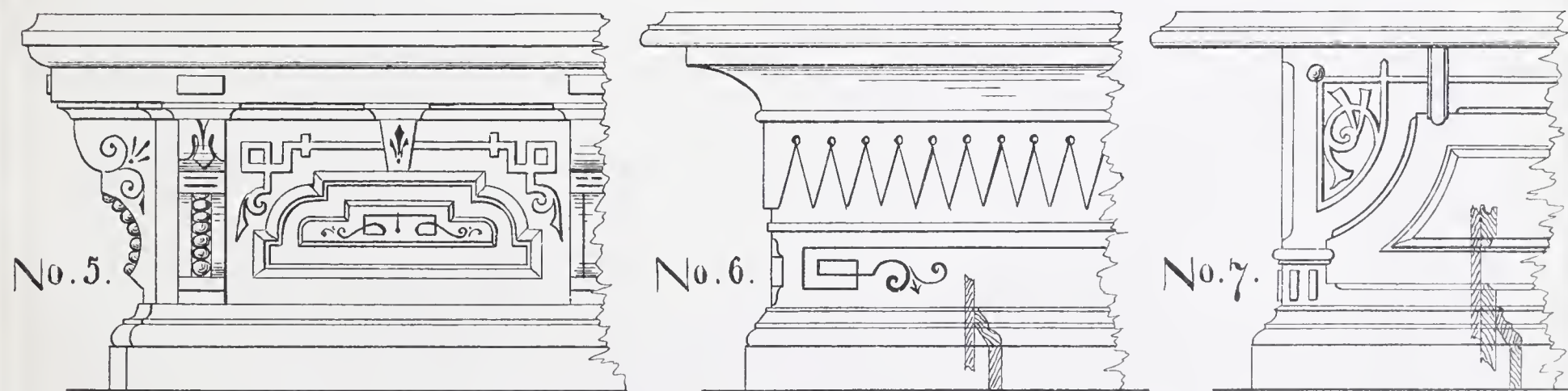


No. 1.

No. 2.

No. 3.

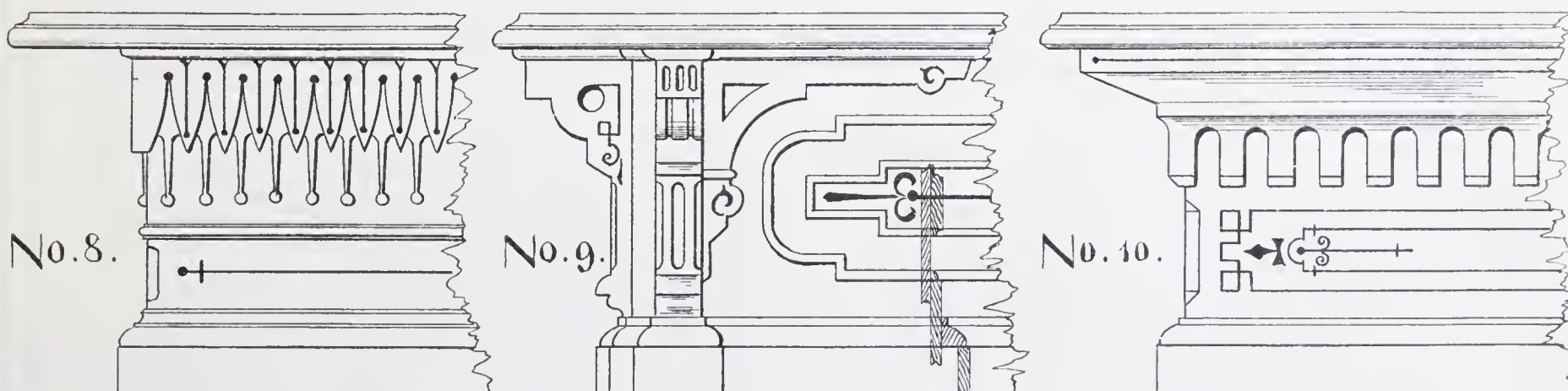
No. 4.



No. 5.

No. 6.

No. 7.



No. 8.

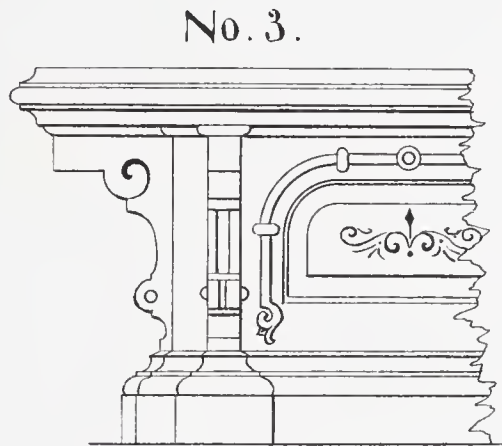
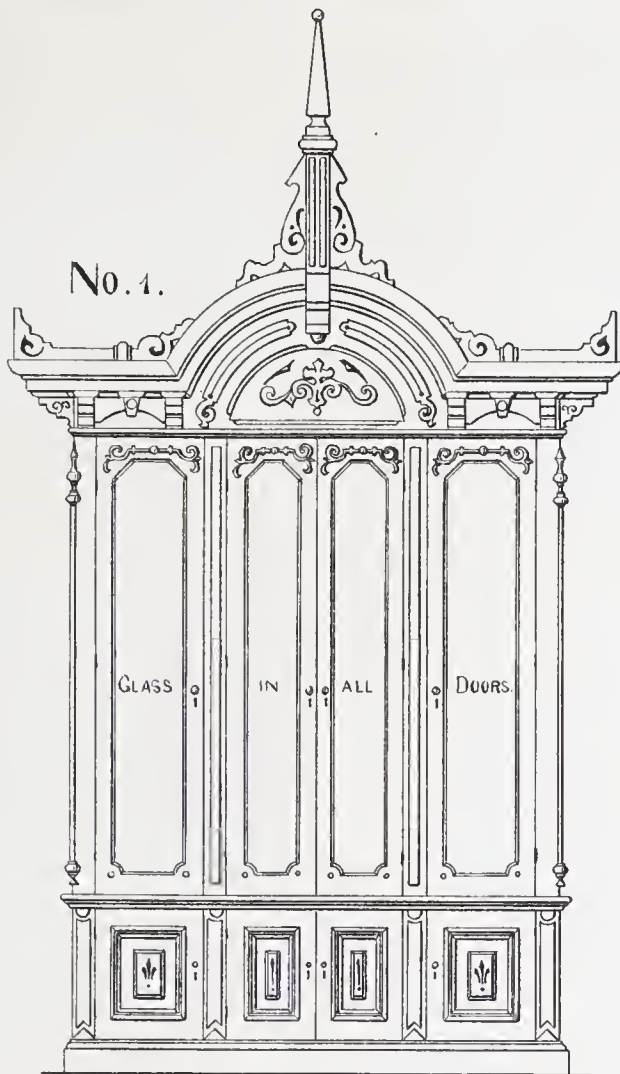
No. 9.

No. 10.

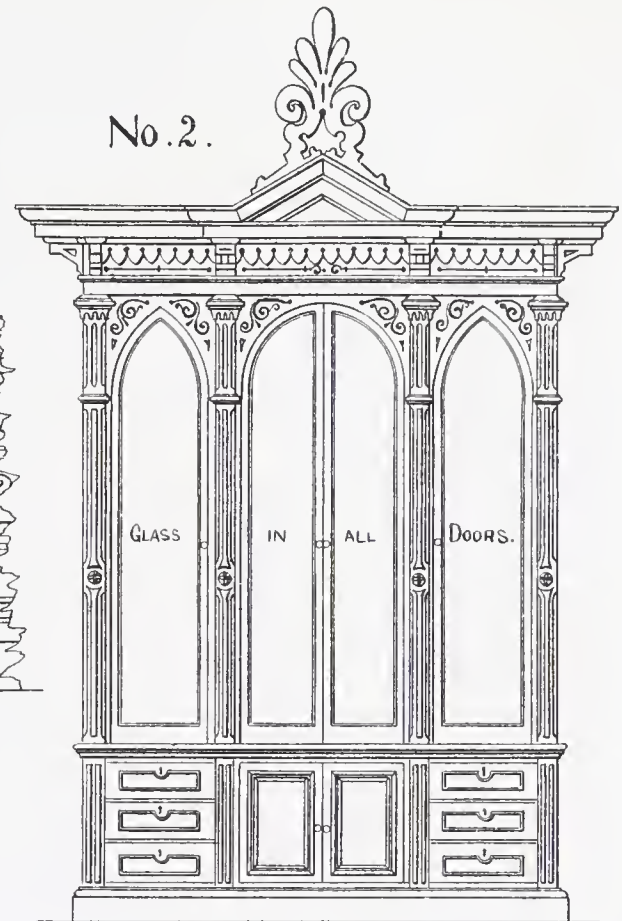
This Plate contains Four Designs for Shelving, with cornices, and Six Designs for Counters;—fittings for handsome Modern Stores, all cheaply constructed.

Scale, $\frac{3}{4}$ inch, one foot.

G. B. CROFF, ARCH'T, SARATOGA, N. Y.

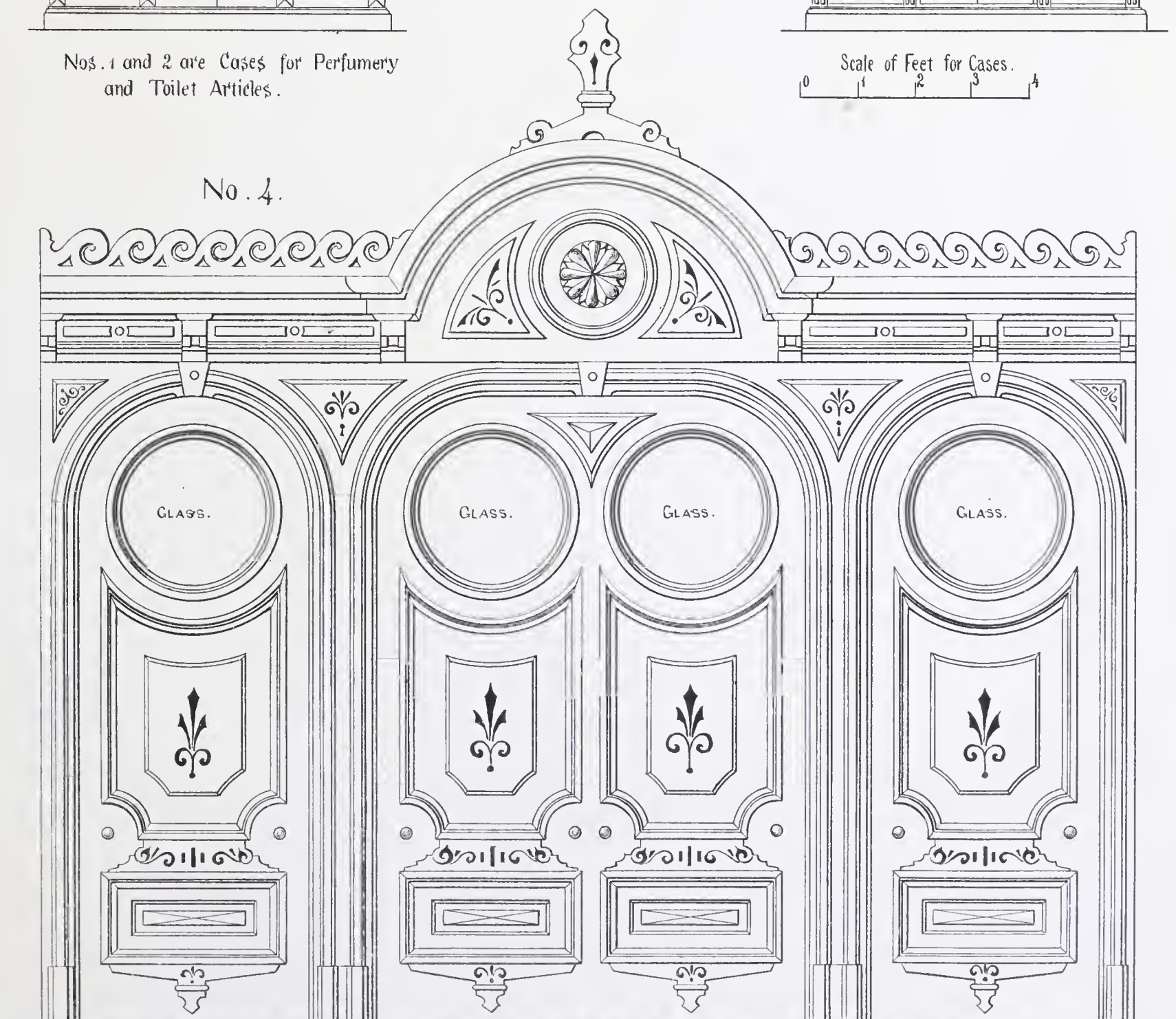


Design for Counter.



Nos. 1 and 2 are Cases for Perfumery and Toilet Articles.

Scale of Feet for Cases.

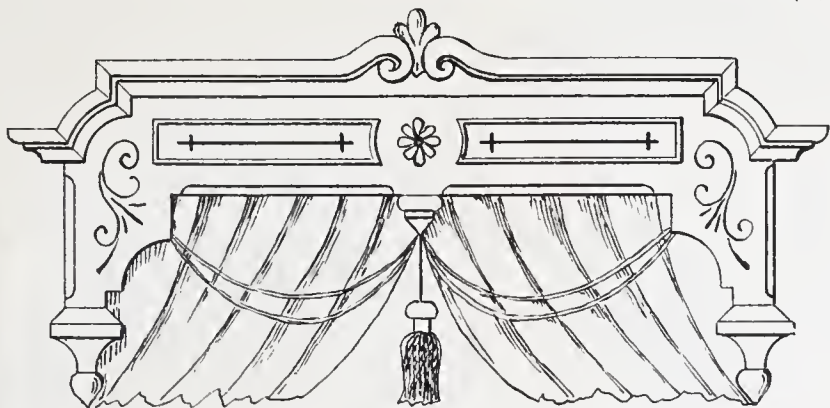


SCREEN PARTITION traversing entire width of Store. Executed for a DRUG STORE in Saratoga, N.Y.

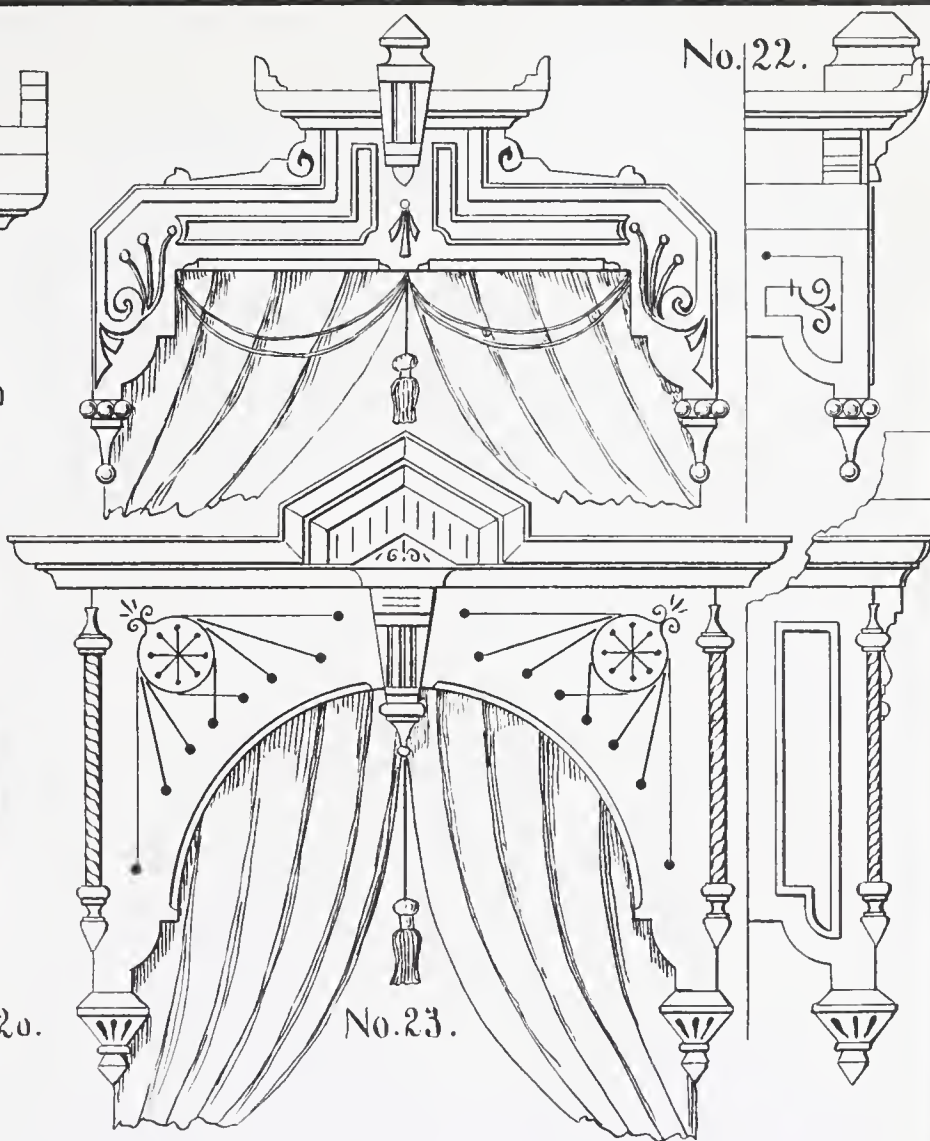
Scale of Feet . 0 1 2 3

G B CROFF, ARCH'T. SARATOGA, N.Y.

No. 21.

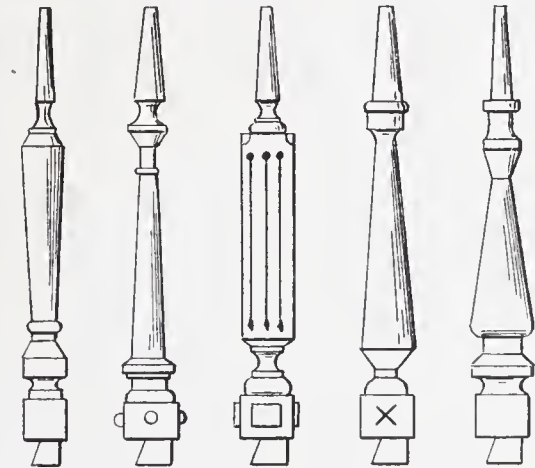
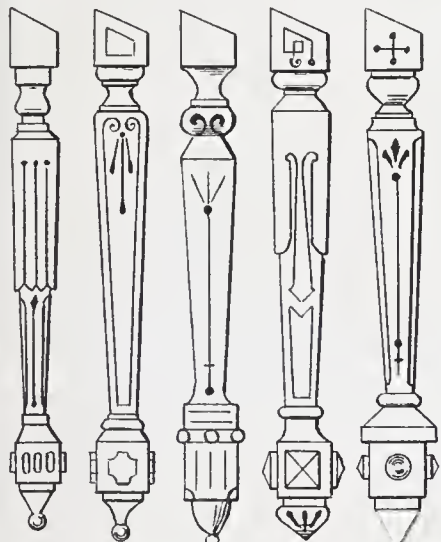


No. 22.



Balusters moulded square.

Turned balusters.

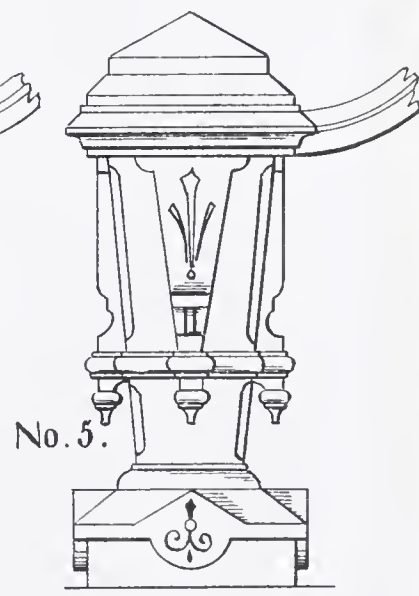
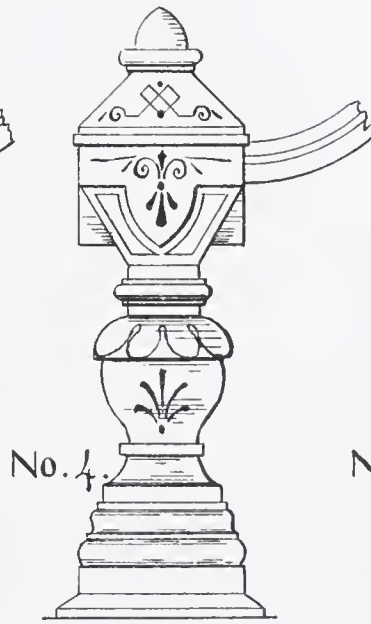
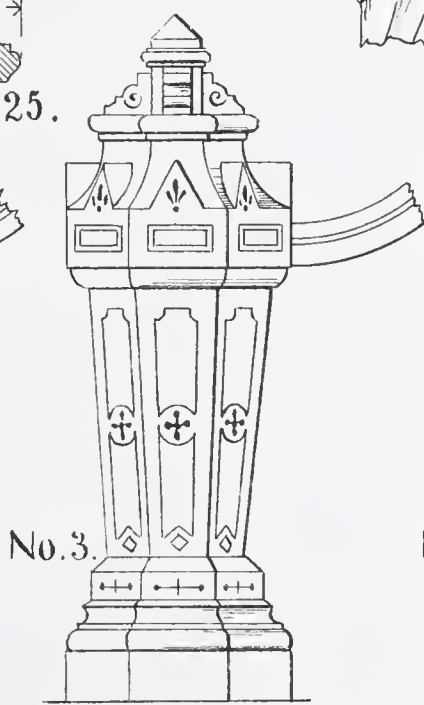
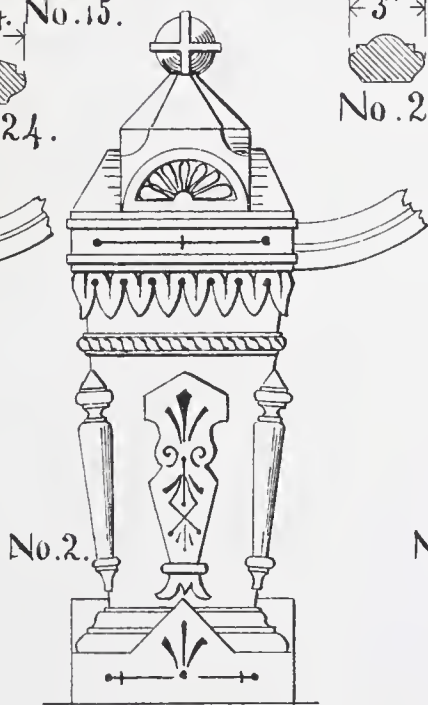
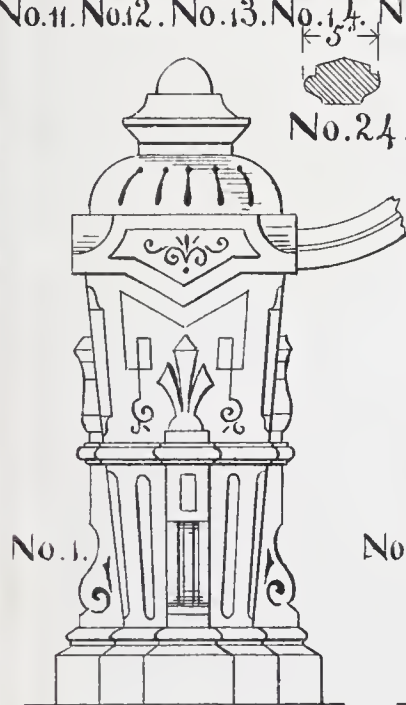


No. 16. No. 17. No. 18. No. 19. No. 20.

No. 11. No. 12. No. 13. No. 14. No. 15.

No. 24.

No. 25.



No. 1.

No. 2.

No. 3.

No. 4.

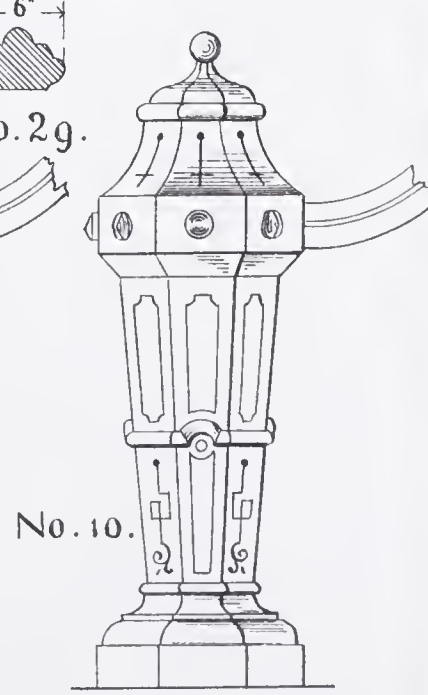
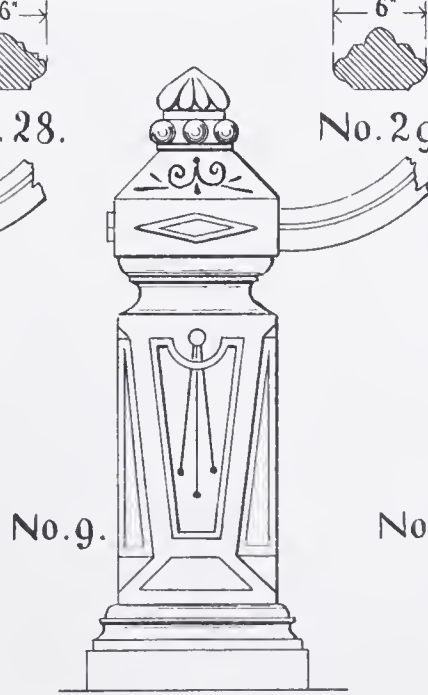
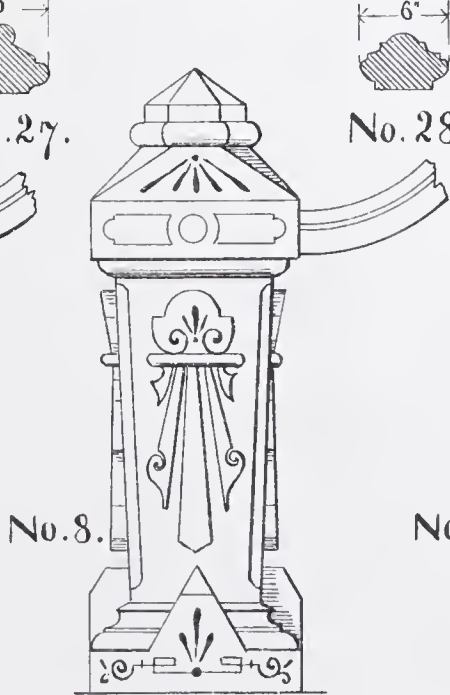
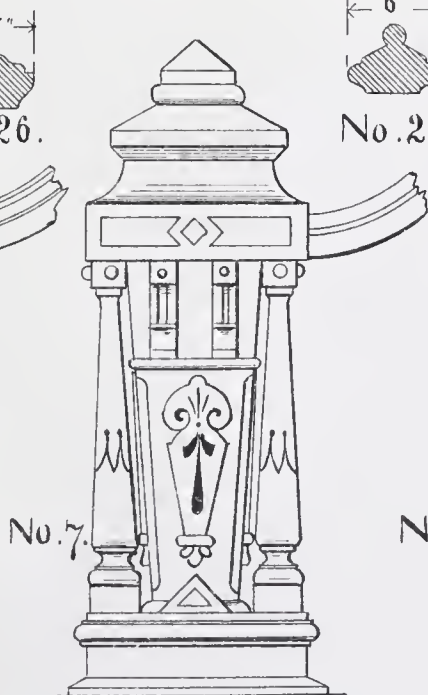
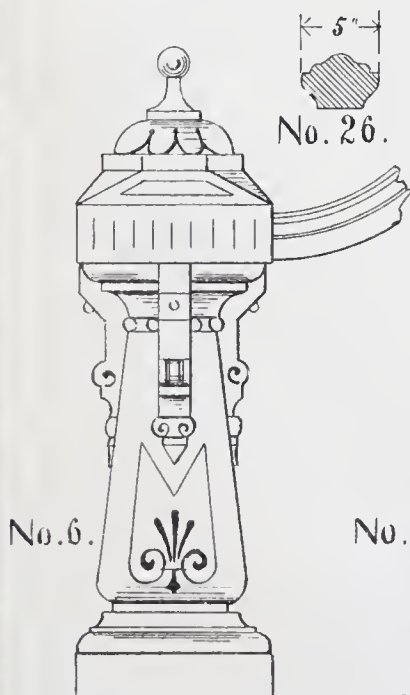
No. 5.

No. 26.

No. 27.

No. 28.

No. 29.



No. 6.

No. 7.

No. 8.

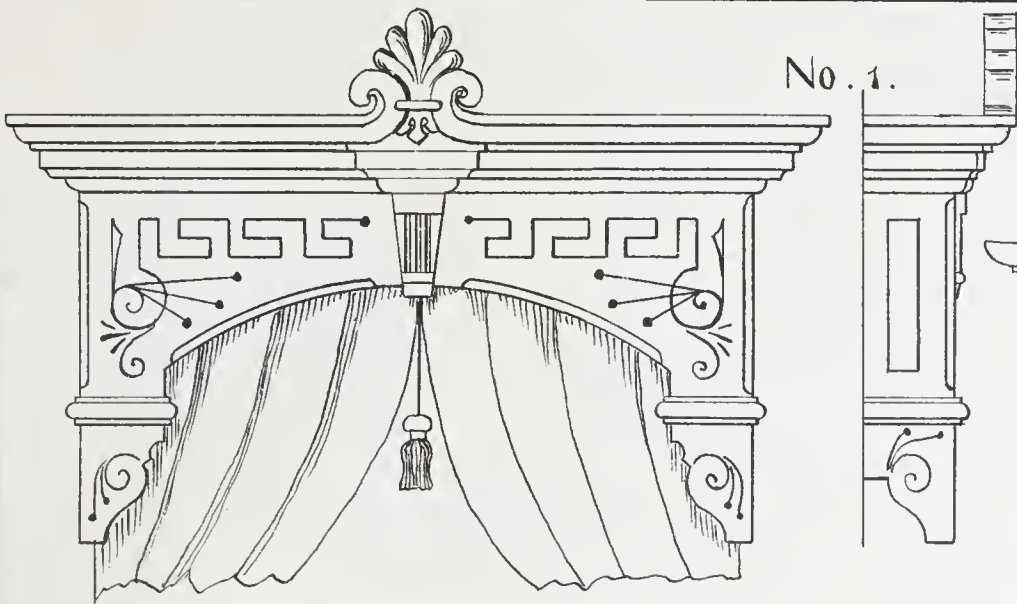
No. 9.

No. 10.

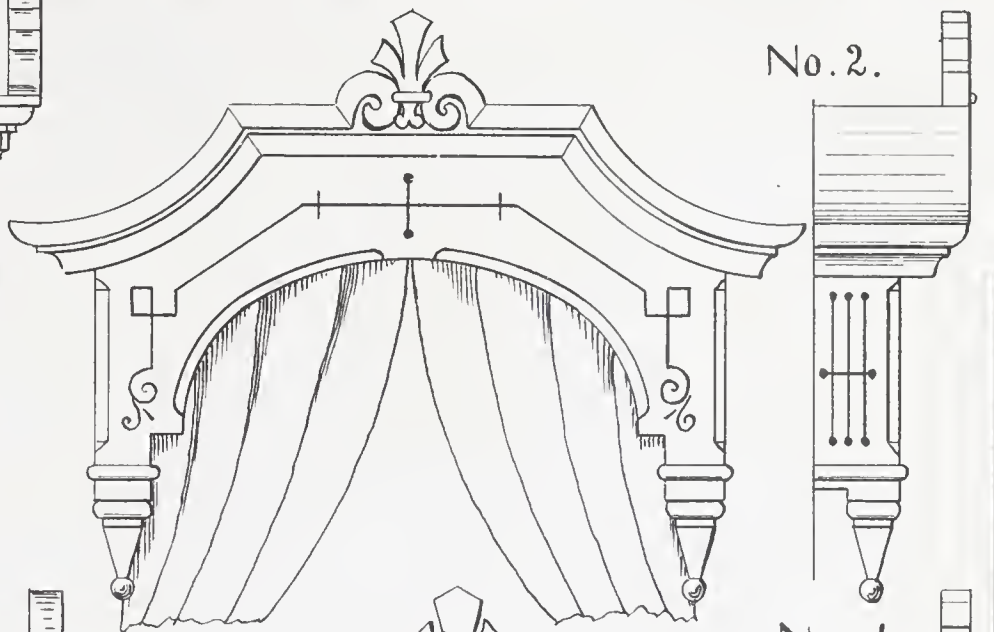
Nos. 1, to 10 are Newels. Nos. 11, to 20 are Balusters. Nos. 21, to 23 are Window Cornices for Lambrequins. Nos. 24, to 29 are sections of Hand-rail. All of which are extremely rich and attractive, but not expensive. Executed in Walnut, with engraved lines laid in gilt. Cornices may be enlarged to fit any width of opening.

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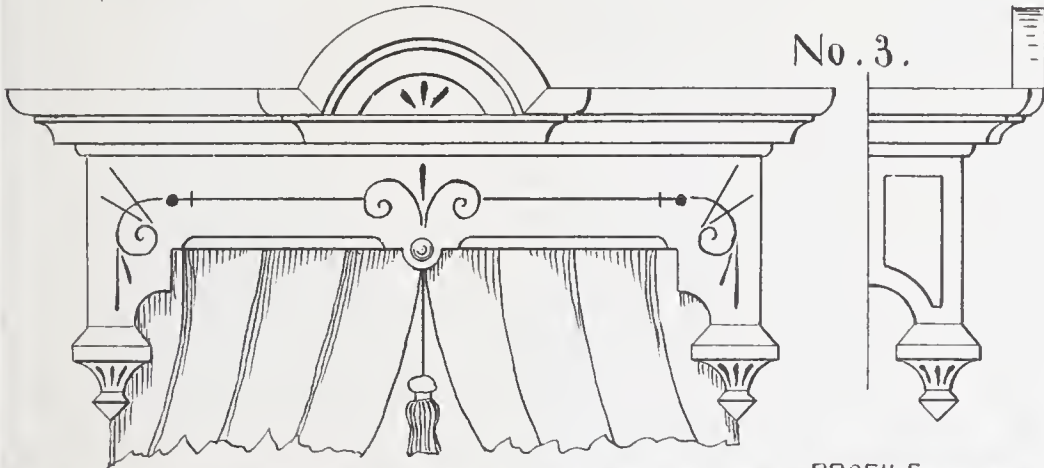
No. 1.



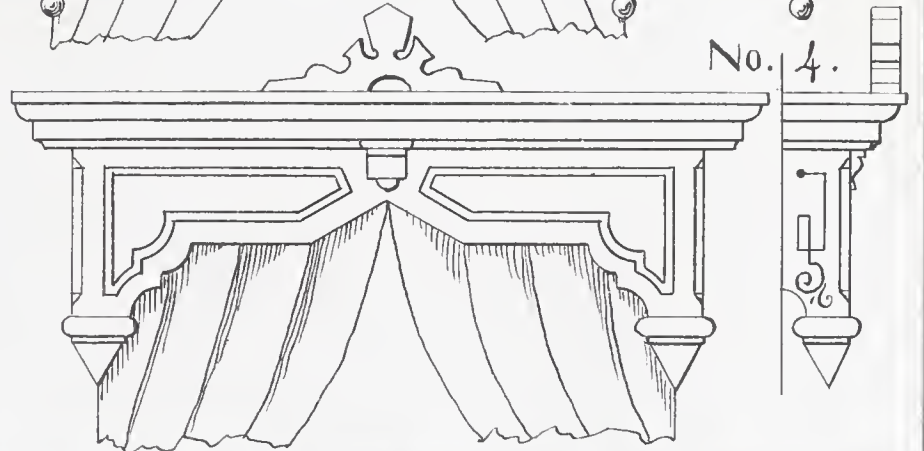
No. 2.



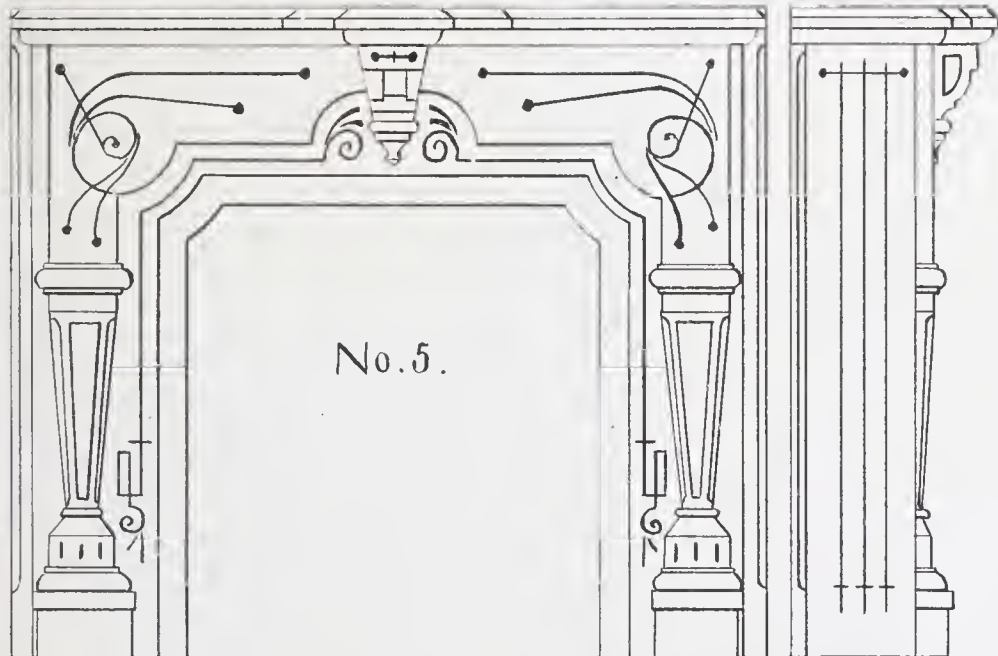
No. 3.



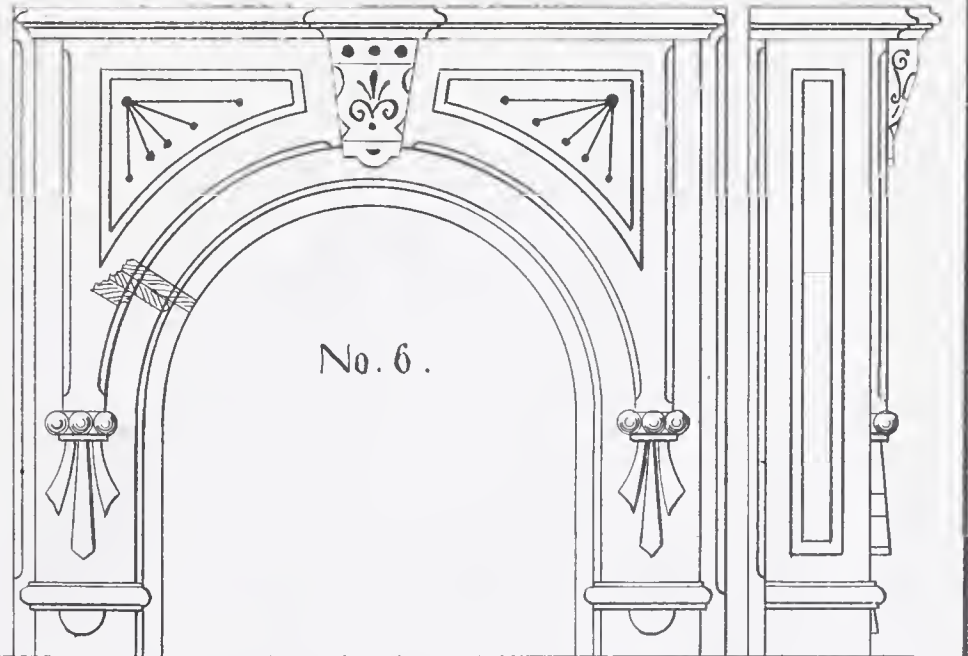
No. 4.



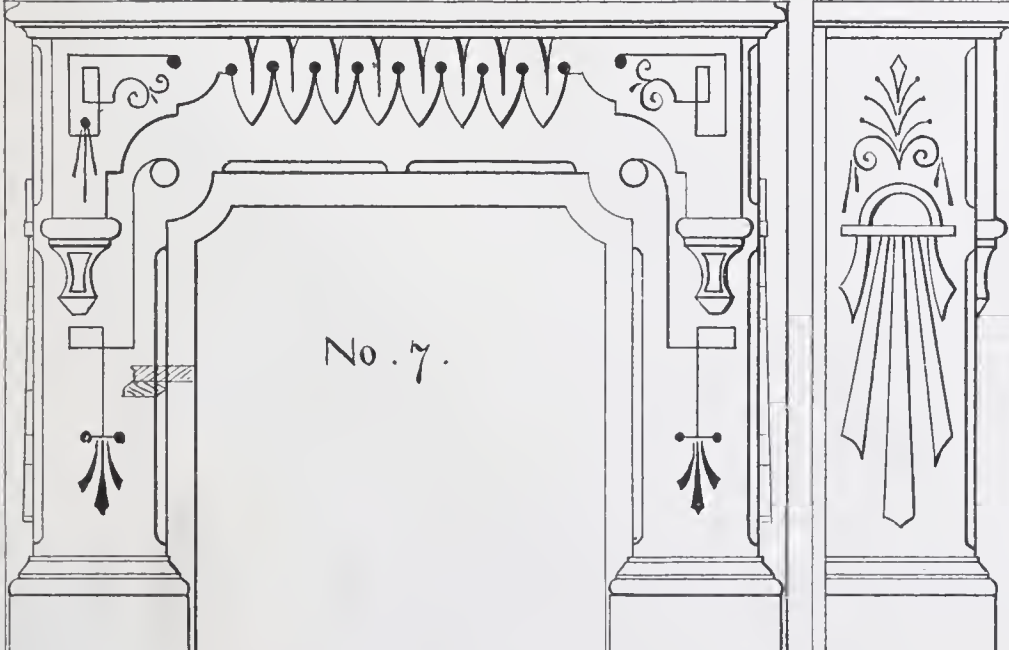
PROFILE .



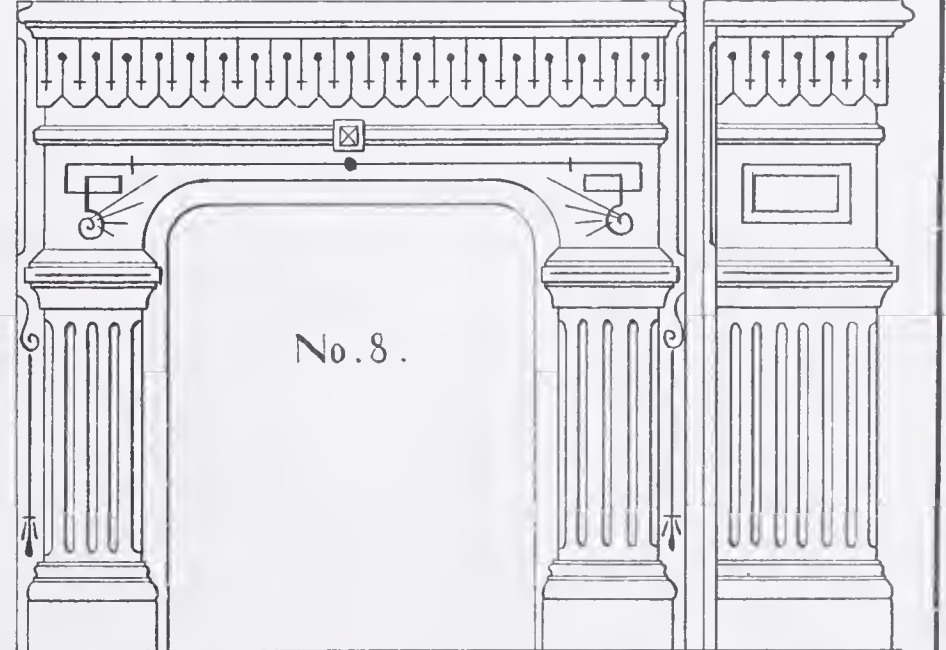
PROFILE .



PROFILE .



PROFILE .



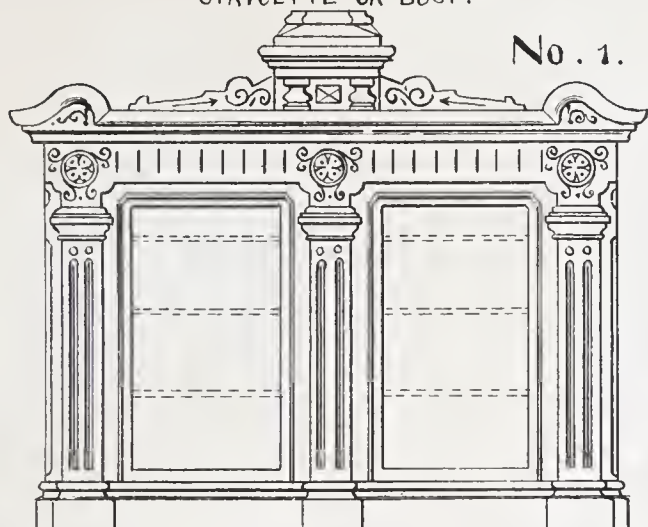
This Plate contains Four Designs for cheaply constructed Walnut Mantels, with engraved and gilded lines.
Also Four Designs of Window Cornices, with Lambrequins.

SCALE, $\frac{3}{4}$ INCH, ONE FOOT.

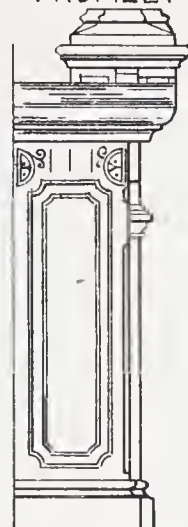
G. B. CROFF, ARCHITECT, SARATOGA, N. Y.

STATUETTE OR BUST.

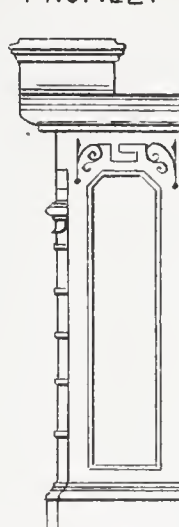
No. 1.



PROFILE.

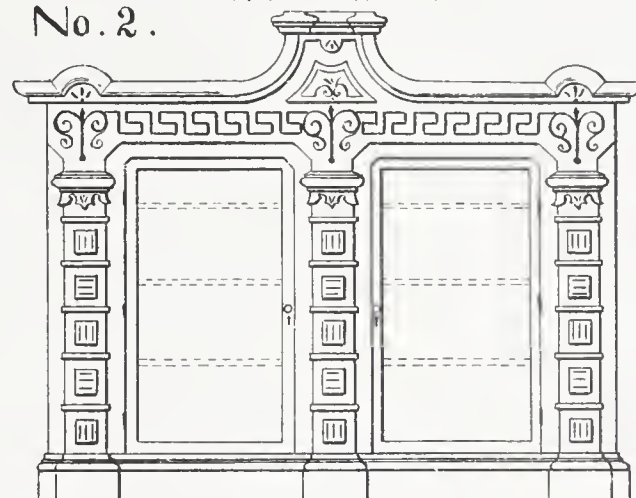


PROFILE.



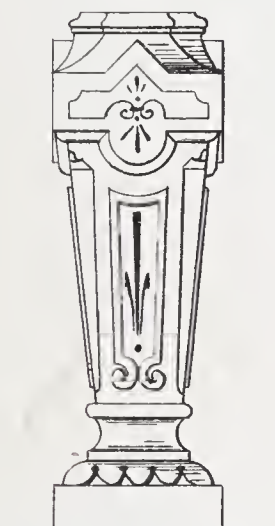
VASE OR CLOCK.

No. 2.



Nos. 1 and 2, are Dwarf Bookcases, for special situations; as, beside Mantel-pieces. Scale, $\frac{3}{8}$ in, one foot.

No. 3.



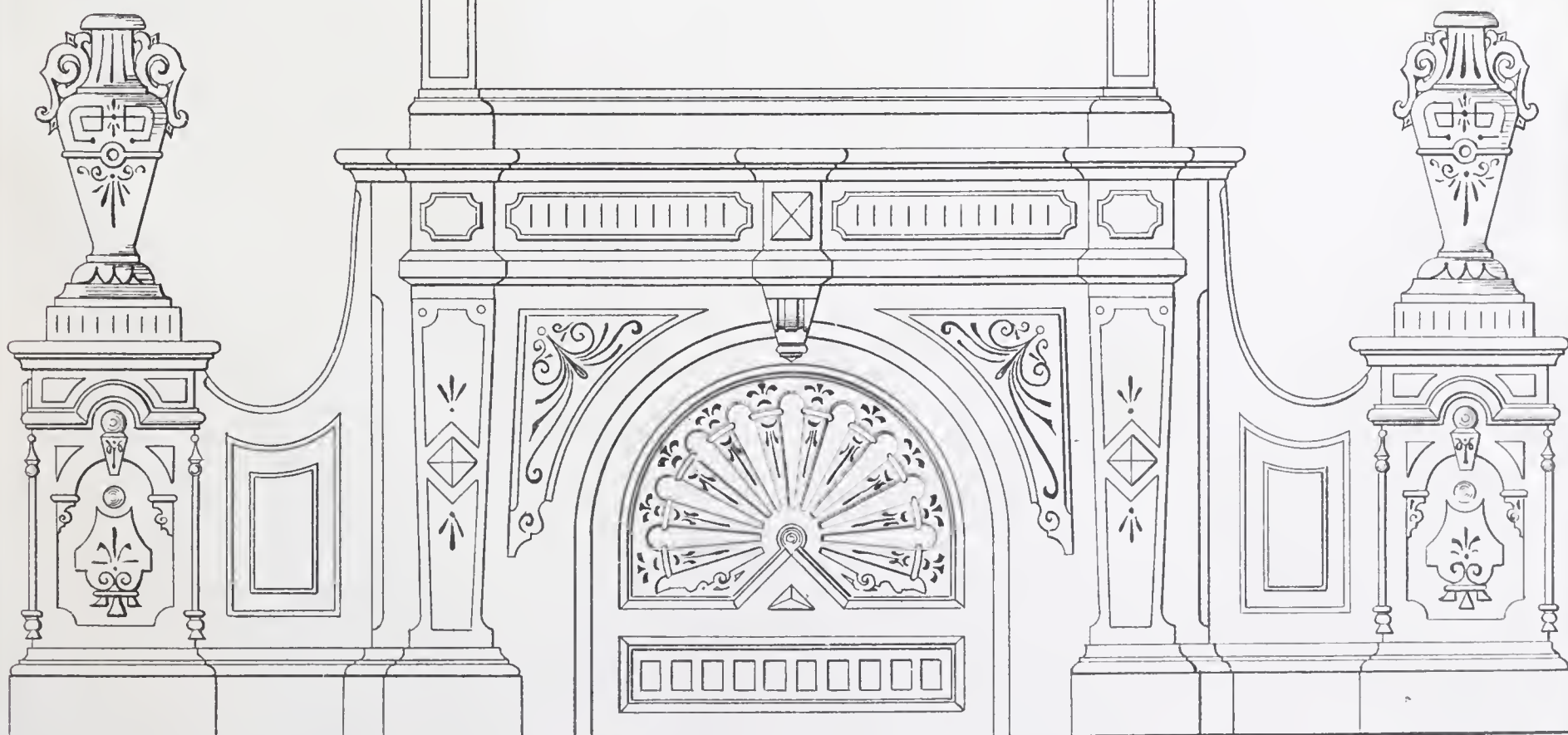
Pedestal for Bust or Group of Statuary.

No. 4.



Pedestal for Fernery or Jardiniere.

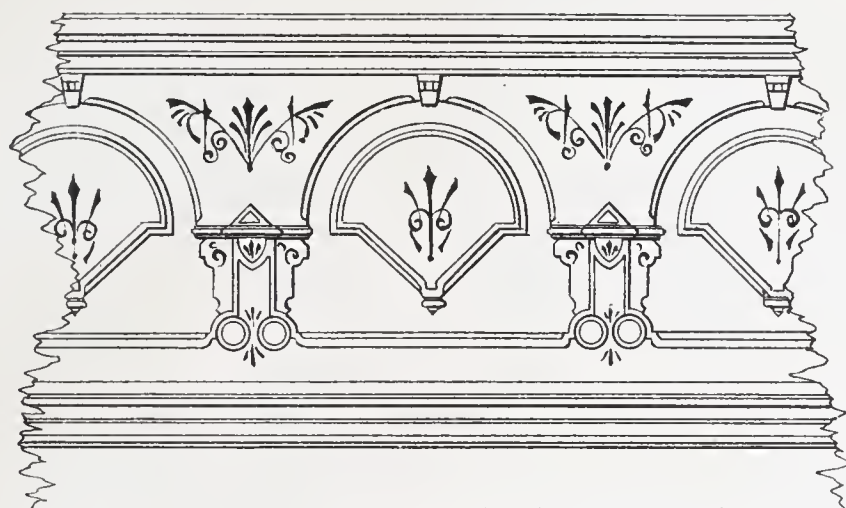
Plate Glass Mirror.



No. 5. Elegant Mirror, and Mantel flanked by Vase Pedestals, for a Stately Drawing-Room.

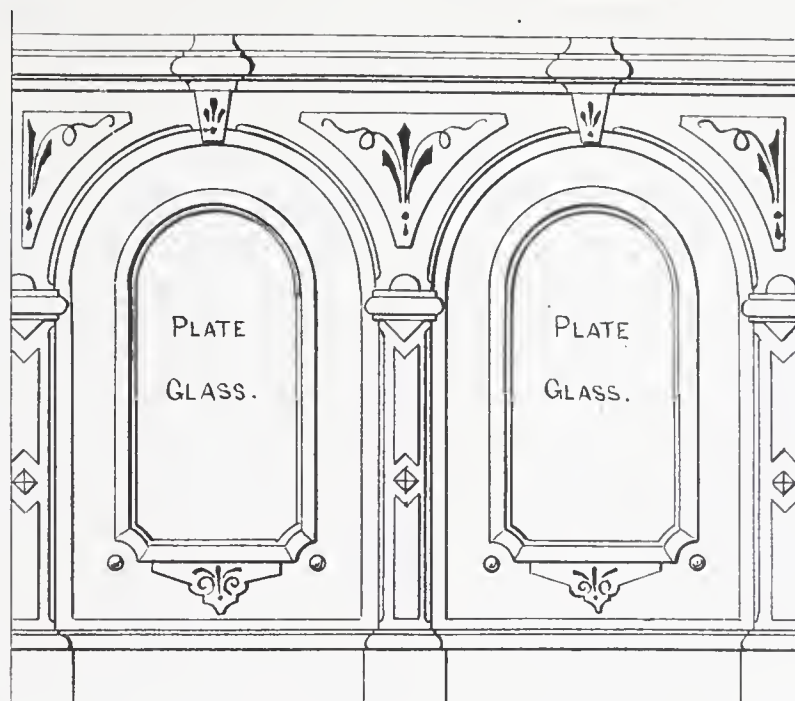
SCALE, $\frac{3}{4}$ INCH, ONE FOOT.

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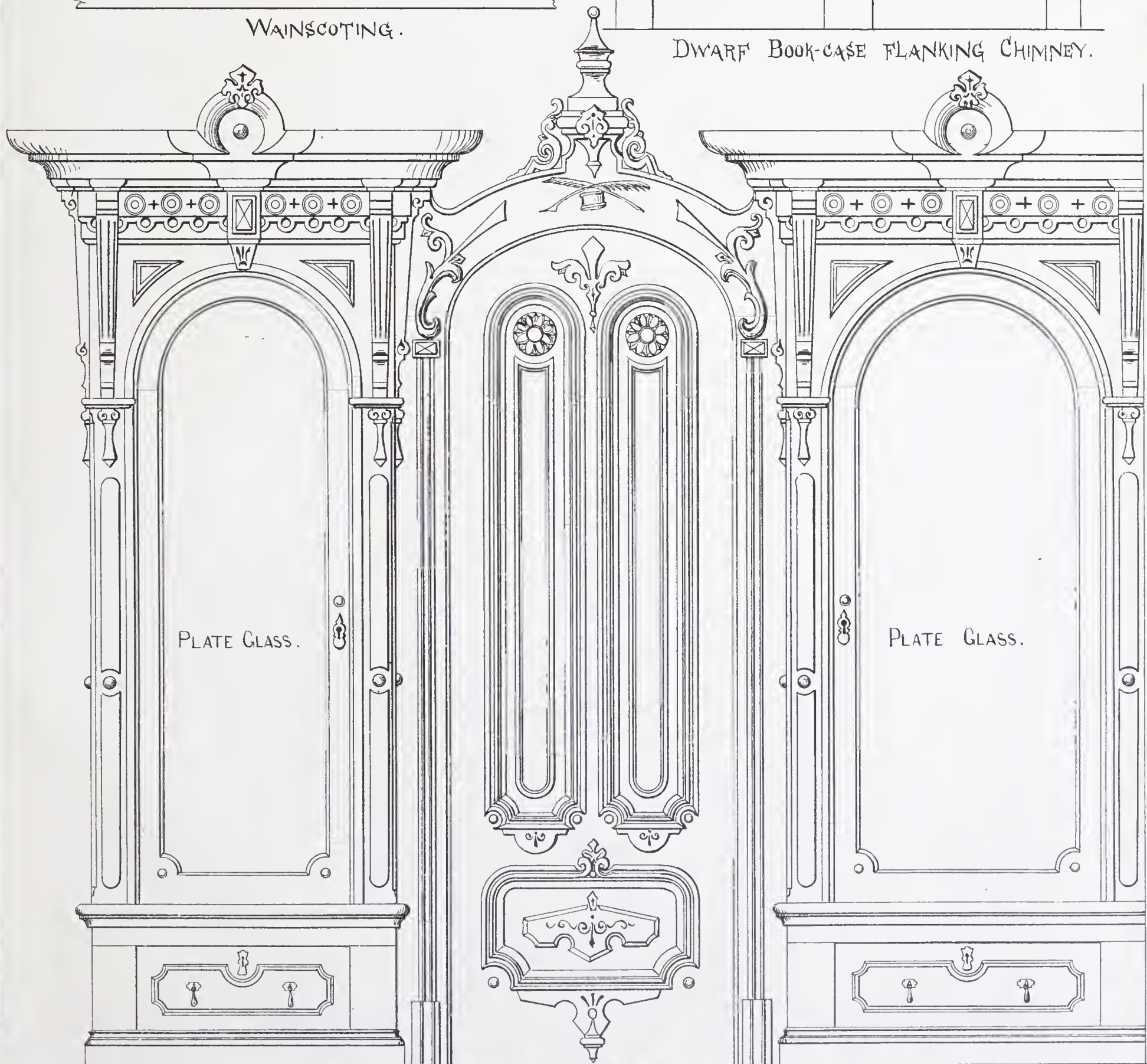
WAINSCOTING.

LINE OF
CHIMNEY.



LINE OF
WALL.

DWARF BOOK-CASE FLANKING CHIMNEY.

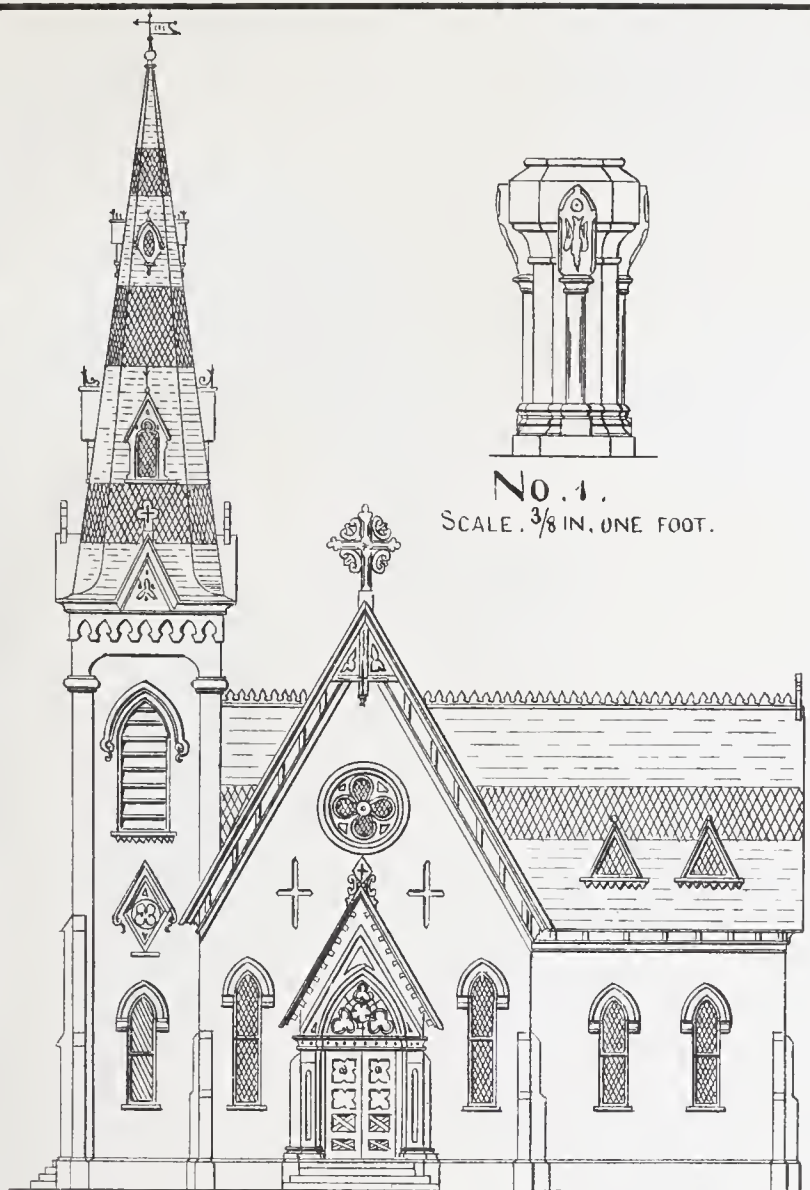


BOOK-CASES AND DOOR-FINISH, COMBINED.

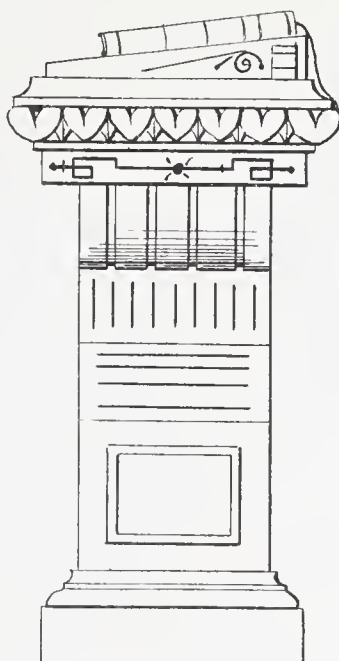
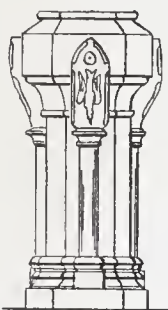
Interior fittings for Library of a Fine Mansion. Executed.

G. B. CROFF, Architect, SARATOGA, N. Y.

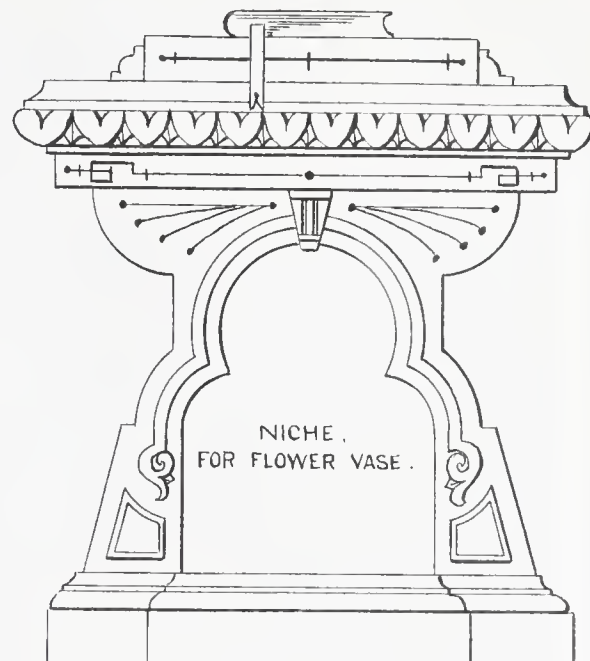
Scale, $\frac{3}{4}$ inch. one foot.



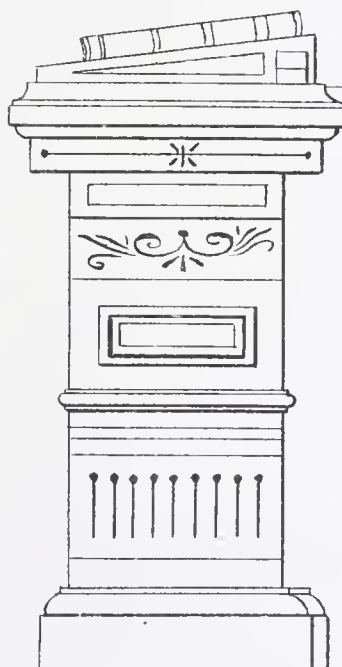
No. 1.
SCALE $\frac{3}{8}$ IN. ONE FOOT.



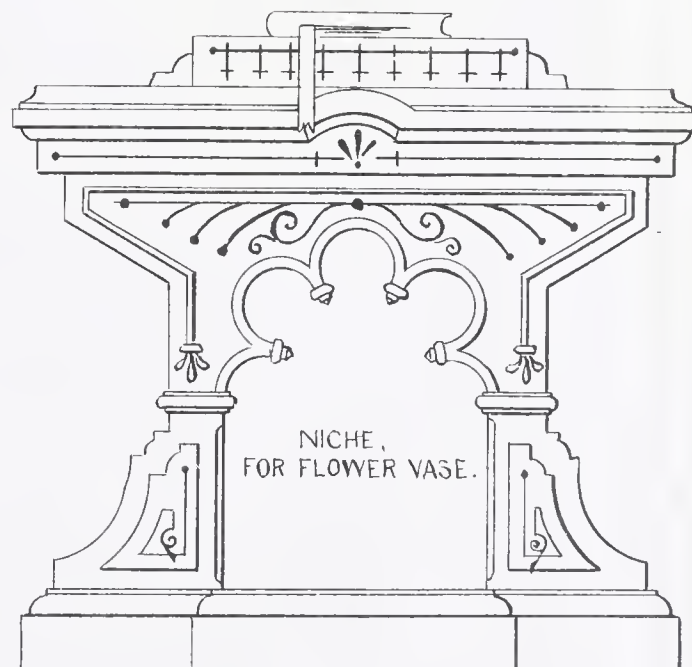
PROFILE.



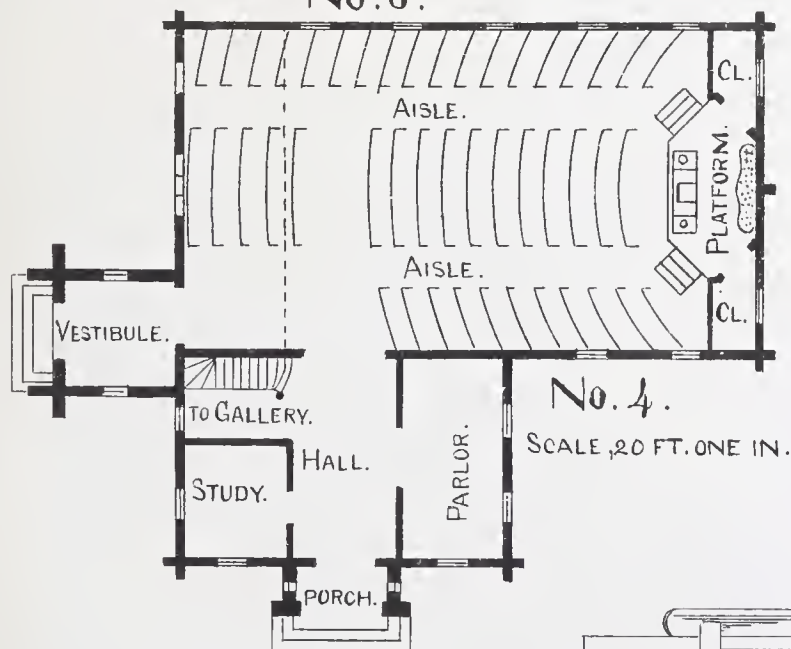
No. 2.



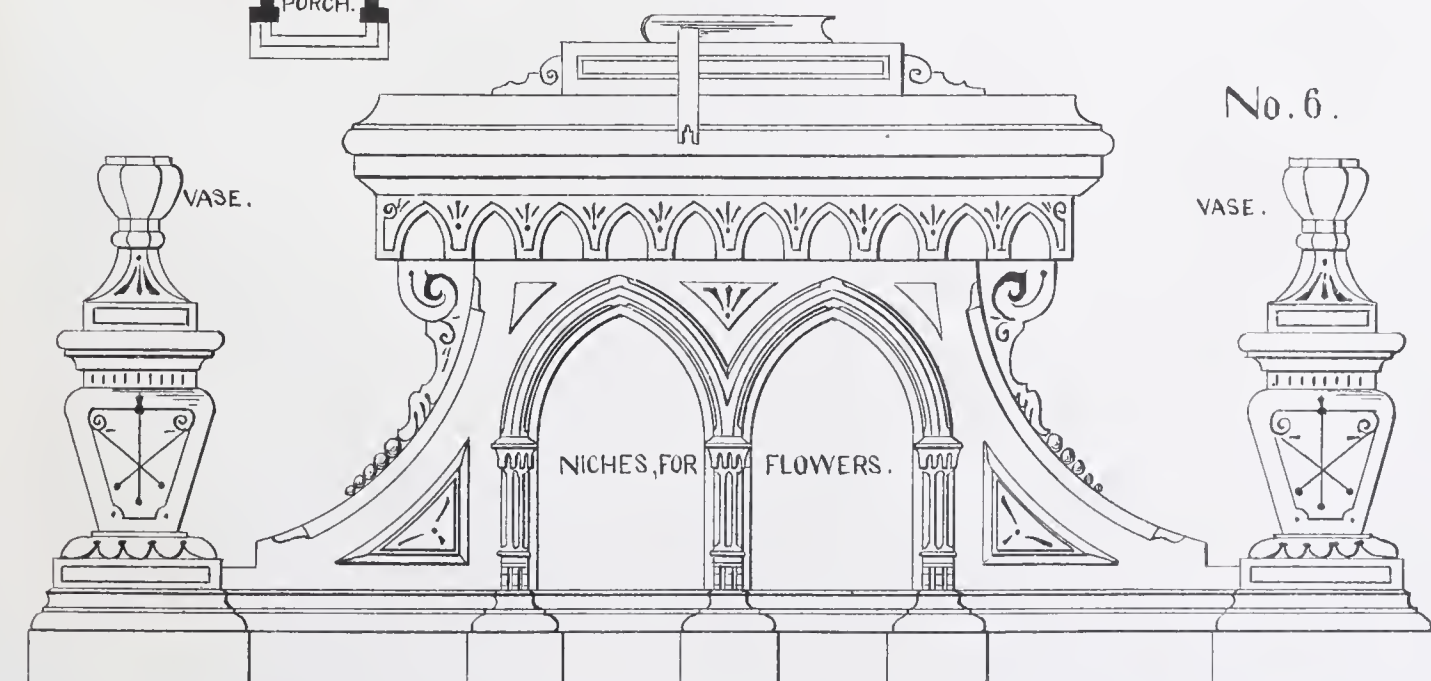
PROFILE.



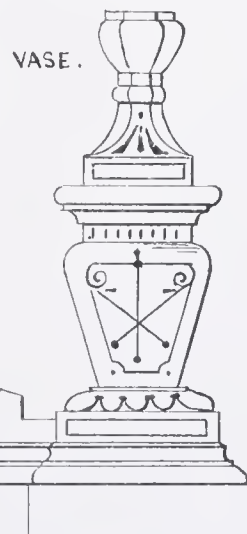
No. 5.



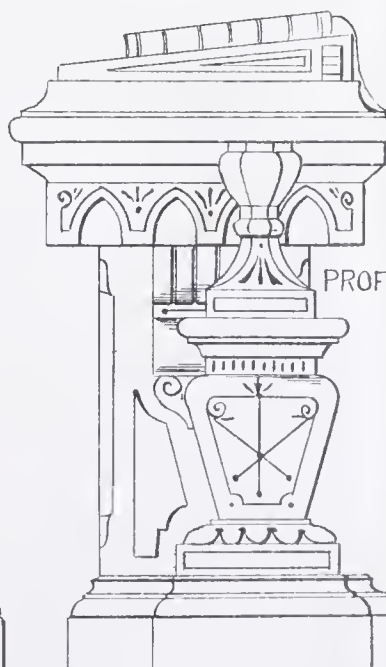
No. 4.
SCALE 20 FT. ONE IN.



No. 6.



VASE.



PROFILE.

No. 1, design for Font, in Marble or Caen-stone. Nos. 2, 5 and 6 are Pulpits, executed in black walnut, engraved, and gilded. No. 3 a small Suburban or Village Chapel. No. 4. Floor plan, of same. SCALE $\frac{3}{4}$ IN. ONE FOOT.

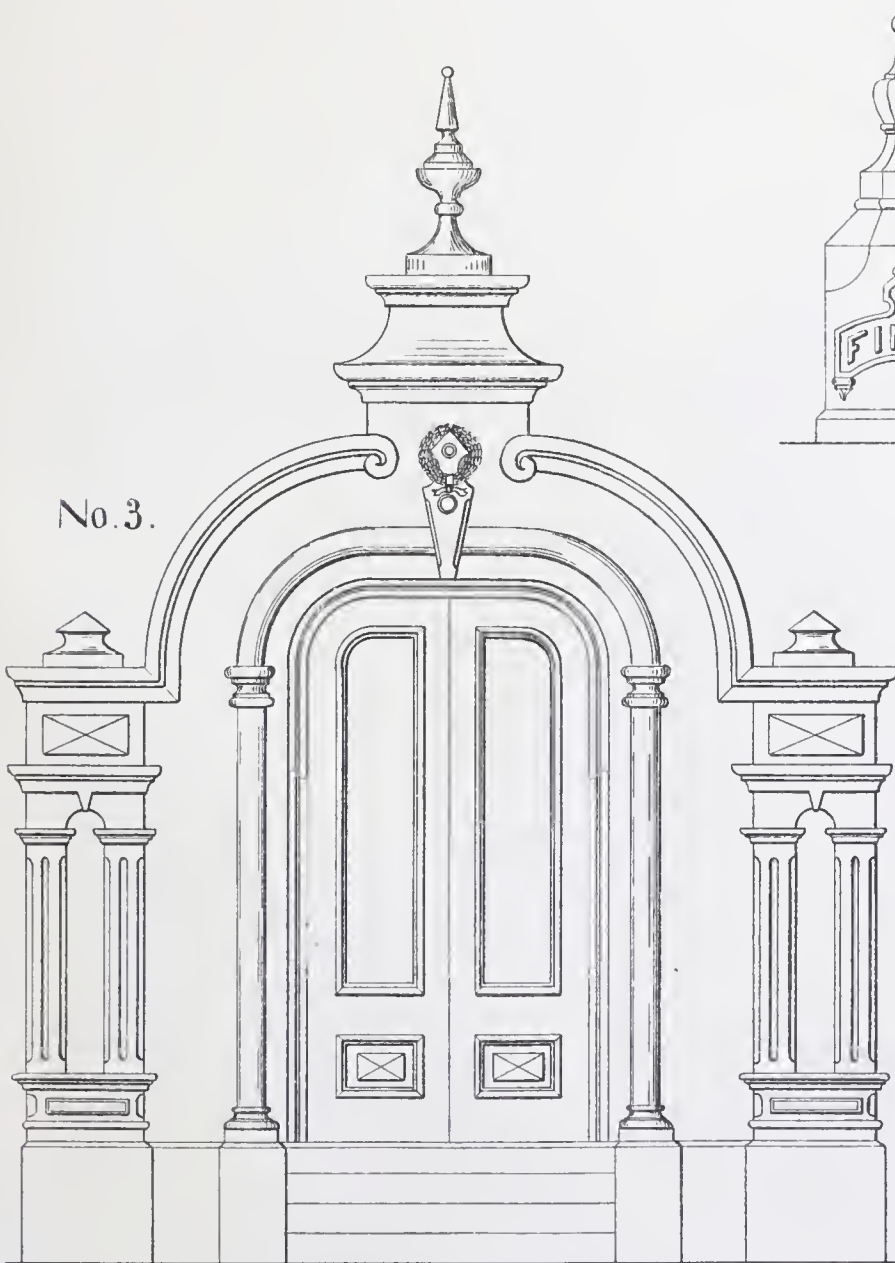
G. B. CROFF, ARCH'T, SARATOGA, N. Y.



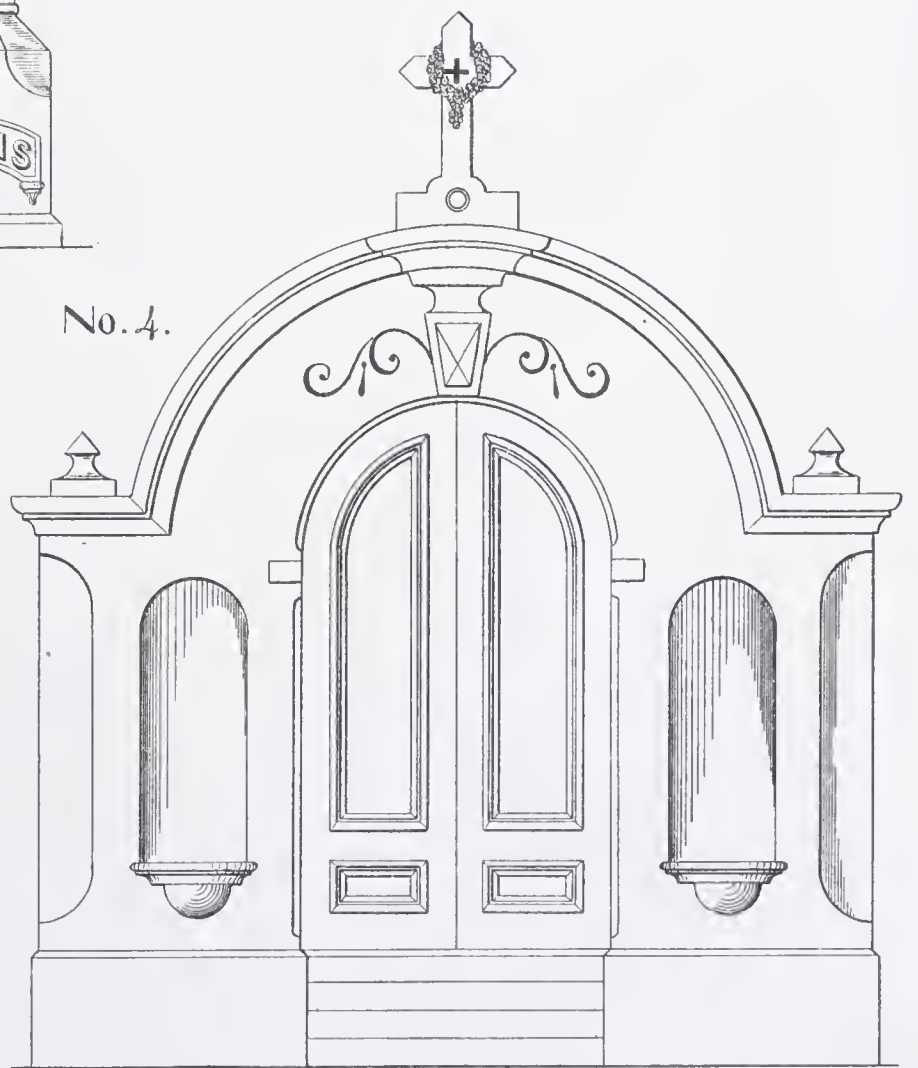
No. 1.



No. 2.



No. 3.



No. 4.

Four Designs of VAULT FACADES, in stone, where the body of the Vault is built into a bank.

No. 1. has been executed, in an appropriate situation, in GREENRIDGE CEMETERY, SARATOGA, N.Y.

SCALE, $\frac{3}{8}$ INCH, ONE FOOT.

G. B. CROFF, ARCH'T, SARATOGA, N.Y.



VILLA

ERECTED AT

Burlington, Vermont.

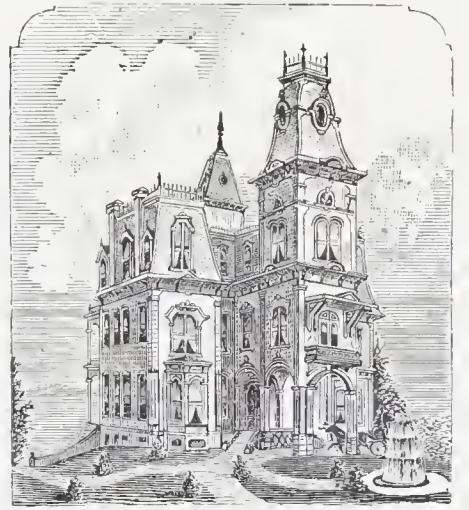


OCEAN FRONT
OF THE

Santa Barbara Grand Hotel,

SANTA BARBARA, CAL.

G. B. CROFF, Architect and Constructing Engineer.



VILLA

Designed to be Erected at

Saratoga Lake.

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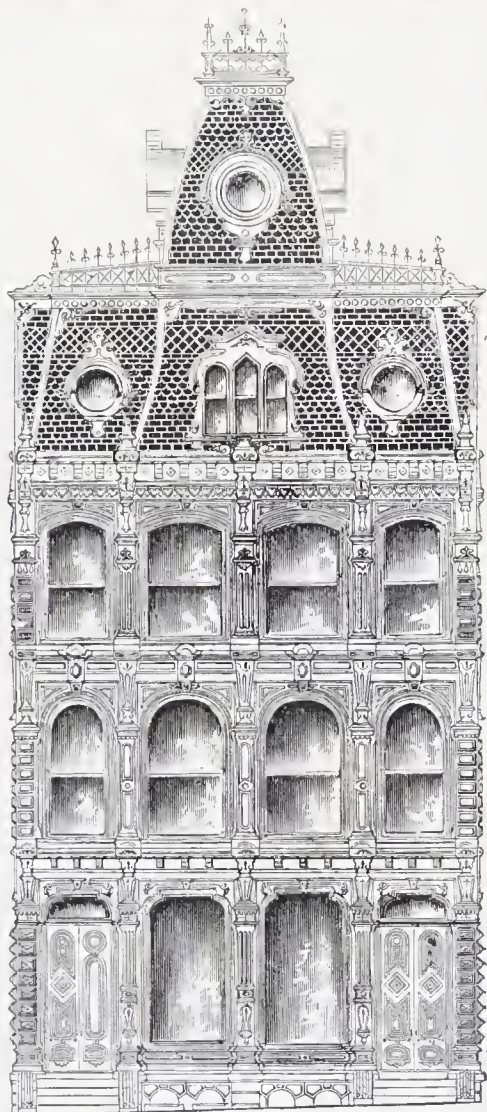
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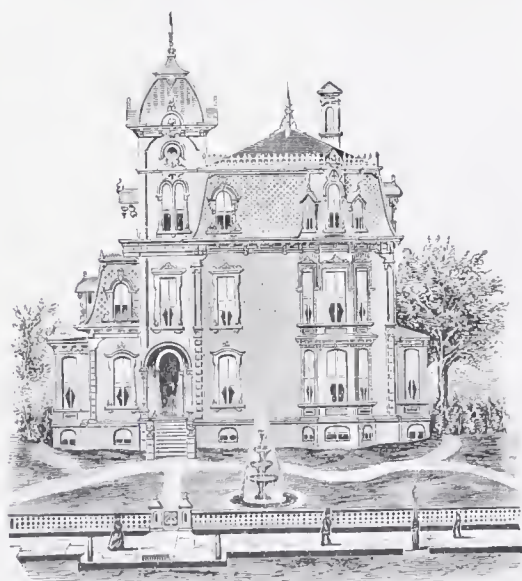
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SARATOGA, N. Y.



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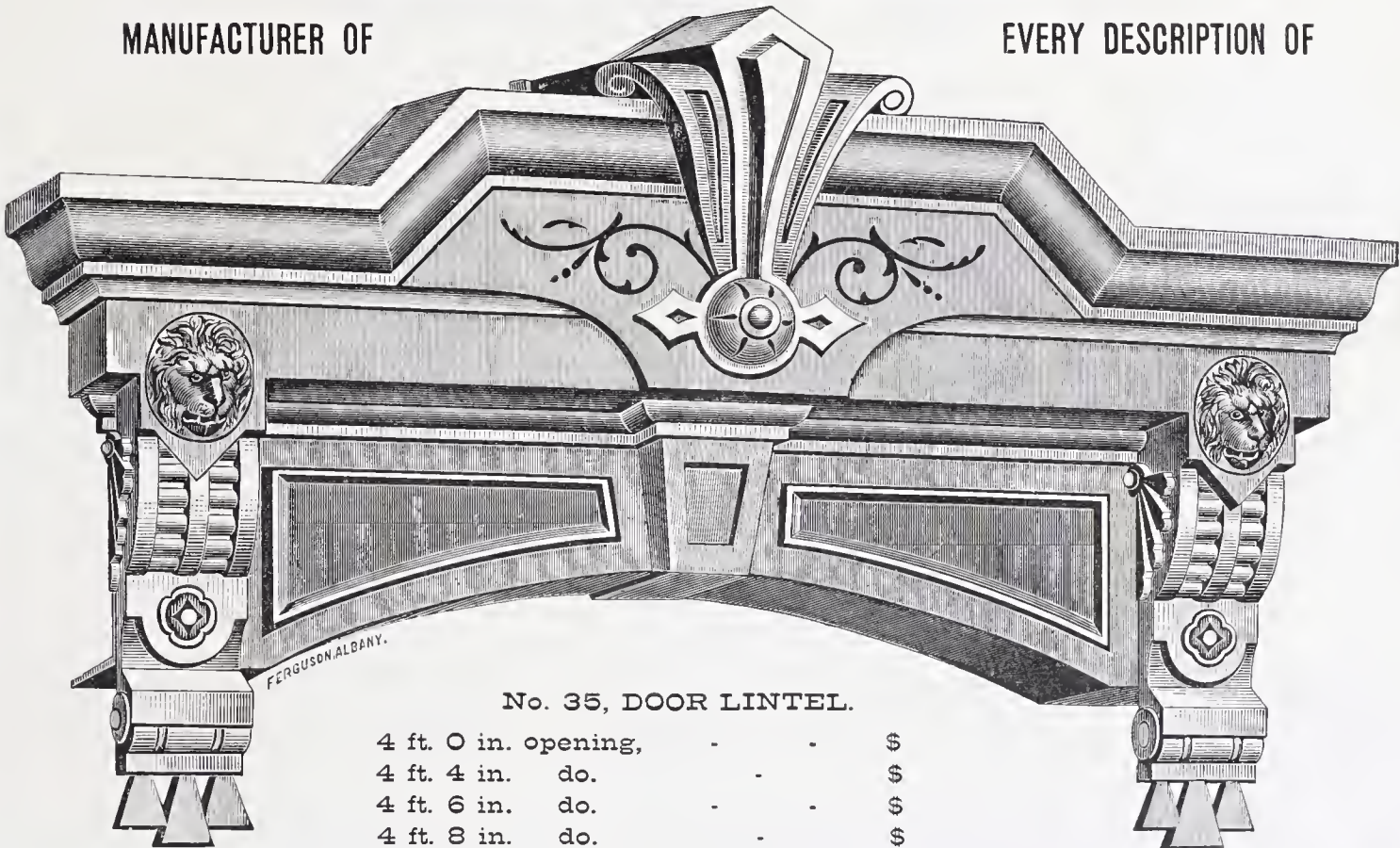
JAMES McKINNEY,

MANUFACTURER OF

EVERY DESCRIPTION OF

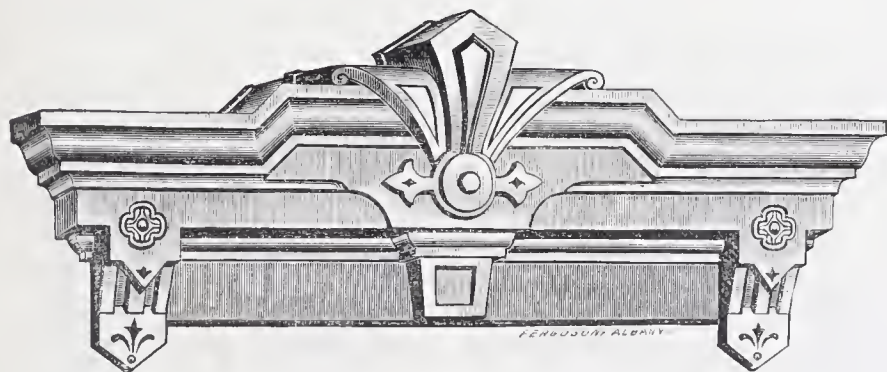
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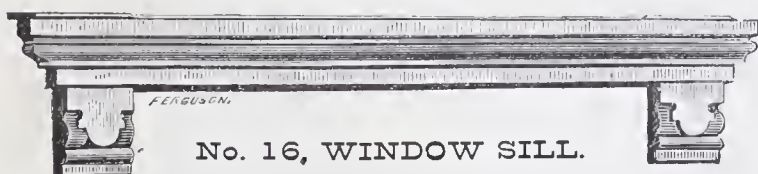
No. 35, DOOR LINTEL.

4 ft. 0 in. opening,	-	-	\$
4 ft. 4 in. do.	-	-	\$
4 ft. 6 in. do.	-	-	\$
4 ft. 8 in. do.	-	-	\$
5 ft. 0 in. do.	-	-	\$



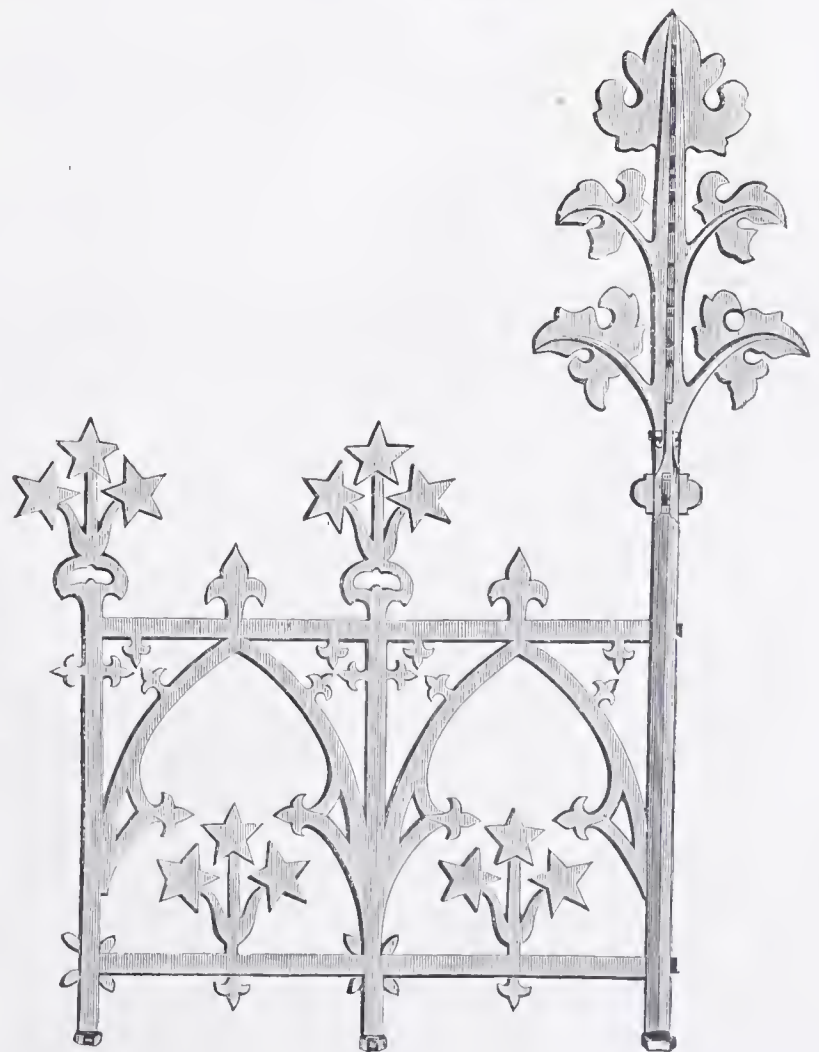
No. 22, WINDOW LINTEL.

3 ft. 0 in. opening,	-	-	-	\$
3 ft. 2 in. do.	-	-	-	\$
3 ft. 4 in. do.	-	-	-	\$
3 ft. 6 in. do.	-	-	-	\$
3 ft. 8 in. do.	-	-	-	\$



No. 16, WINDOW SILL.

3 ft. 0 in. opening,	-	-	-	\$
3 ft. 2 in. do.	-	-	-	\$
3 ft. 4 in. do.	-	-	-	\$
3 ft. 6 in. do.	-	-	-	\$
3 ft. 8 in. do.	-	-	-	\$



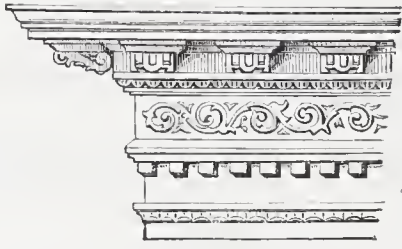
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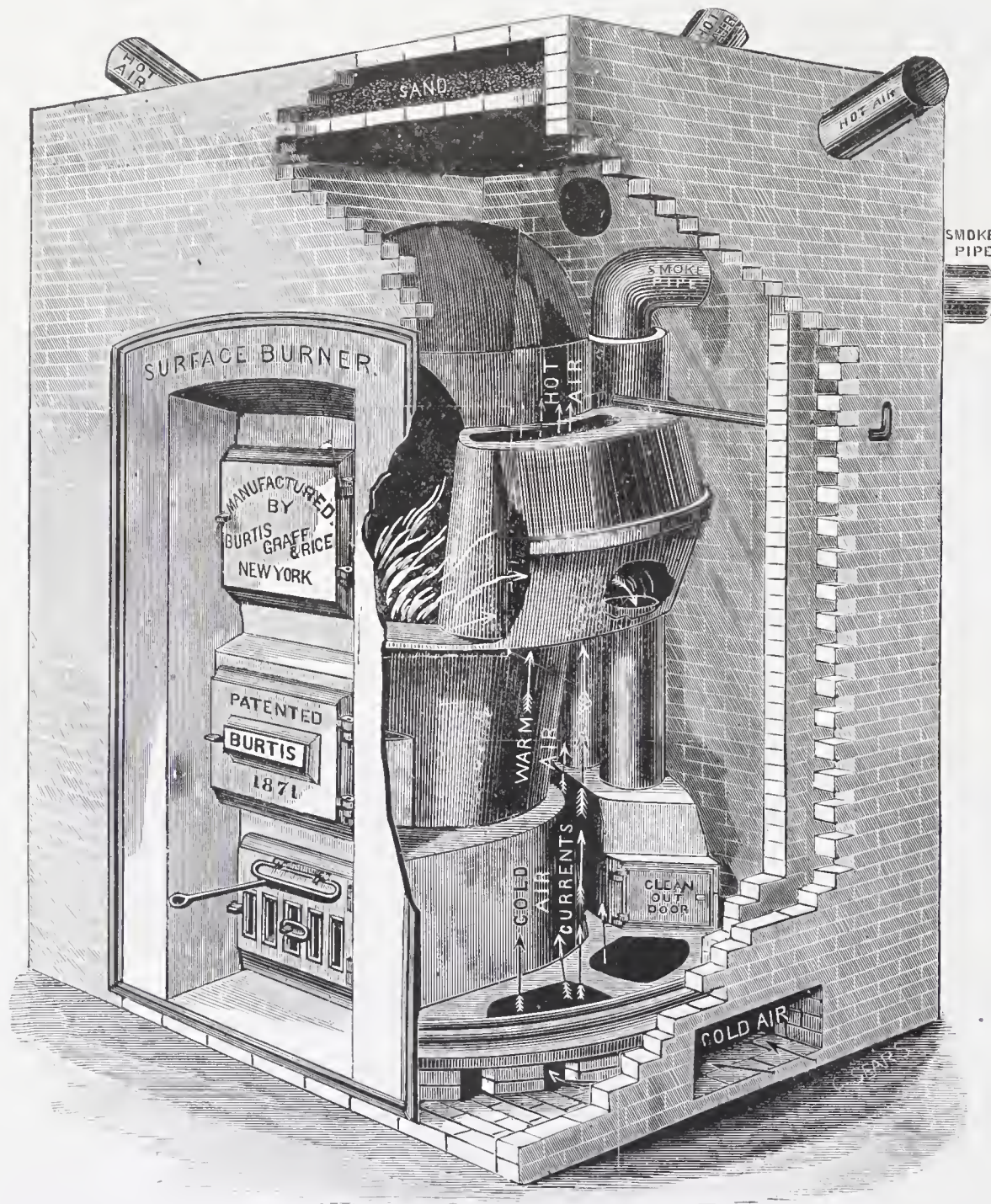
For Reference, apply to the Author of this Work.

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It is a well-known fact that the exceedingly important matter of heating a dwelling or public building has been but casually hinted at, or not even mentioned by the intended occupants, or the builder, until the time has arrived when necessity compelled attention to an apparatus for this purpose, and the devising of a method for its appliance. We heartily coincide with the opinion of the noted author of this work, that it would be incomplete without a reference to what should be used for this purpose, and the way clearly pointed out for the comfort of the household and the auditory.

We think that everybody engaged in building will coincide with our views in this matter; as to the importance of constructing an edifice with regard to established rules for heating and ventilating; it is presumed by most people that a heating apparatus may be placed at any point in a cellar which they may think most convenient, and that the heat can readily be conducted to any desired point; and that in case of a failure in heating the building to their satisfaction, the whole fault is attributed to the Furnace. That the absurdity of such an idea is being generally admitted, the increasing applications we have for information on this subject is a guarantee.

Did space permit, we would be glad to offer to the readers of this valuable work very many

important hints, especially concerning the proper method of heating, together with a full description of our Furnaces. But as our descriptive circulars, containing hundreds of reliable references, as well as full information on the subject of heating and ventilating buildings, may be had on application, we here take occasion only to inform the public that our Furnaces are acknowledged by the leading architects to be superior to all others manufactured in this country, and that our style of work in this line is not only based on scientific principles, but is most thorough in every particular and guaranteed in every instance.

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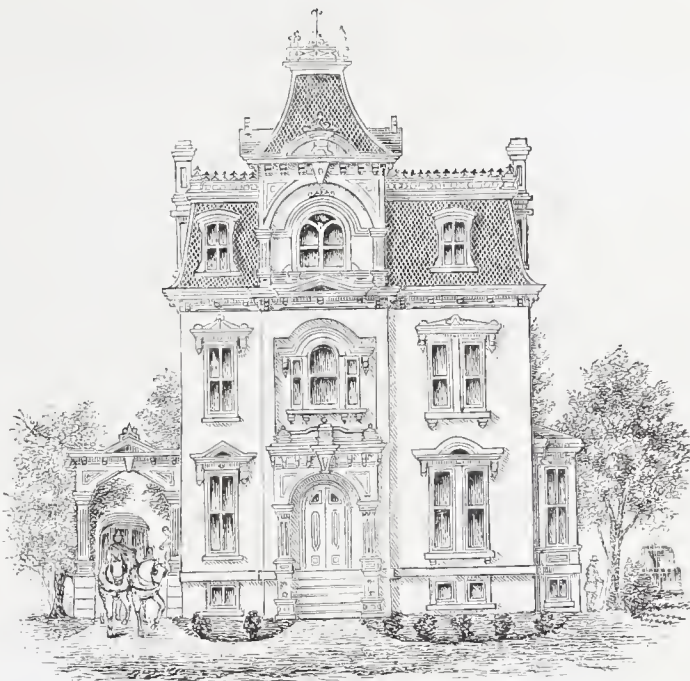
P. S.—As it is always gratifying to us to be able to refer purchasers to competent parties who have had experience with our Furnaces, we take the liberty of referring to G. B. CROFF, Esq., Architect, whose knowledge of them through their use qualifies him to judge of their merits.

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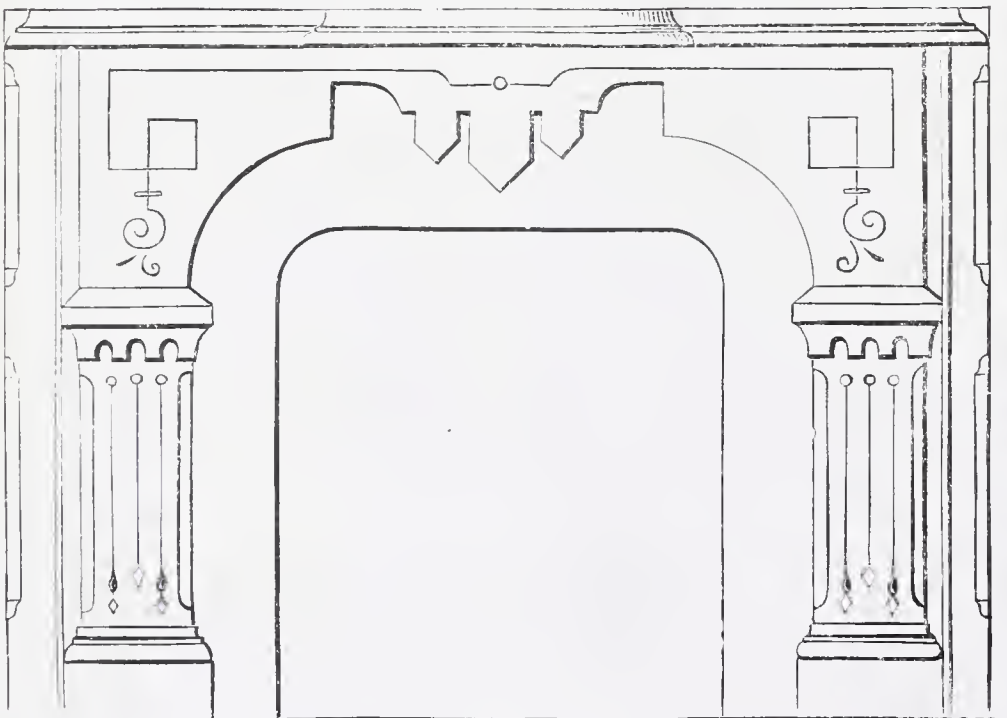
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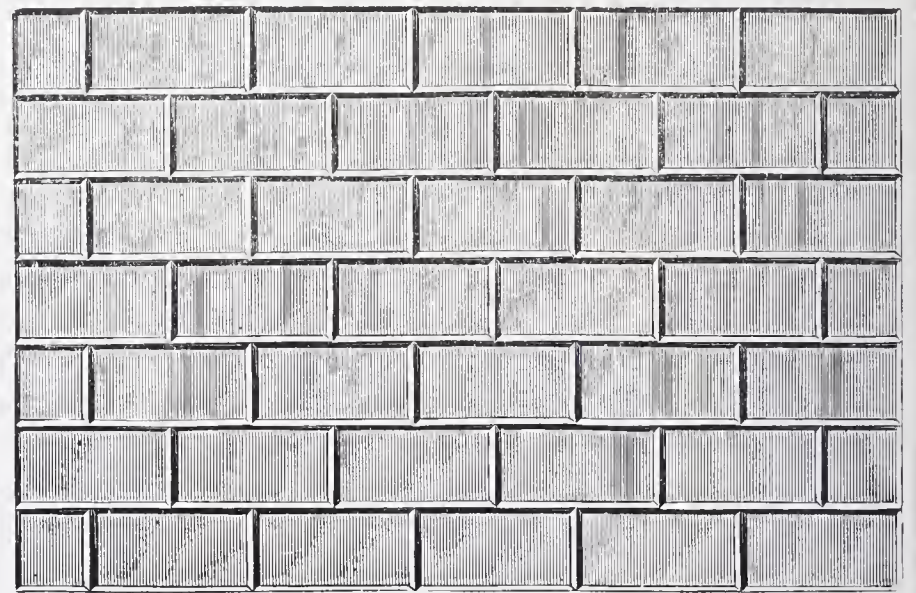
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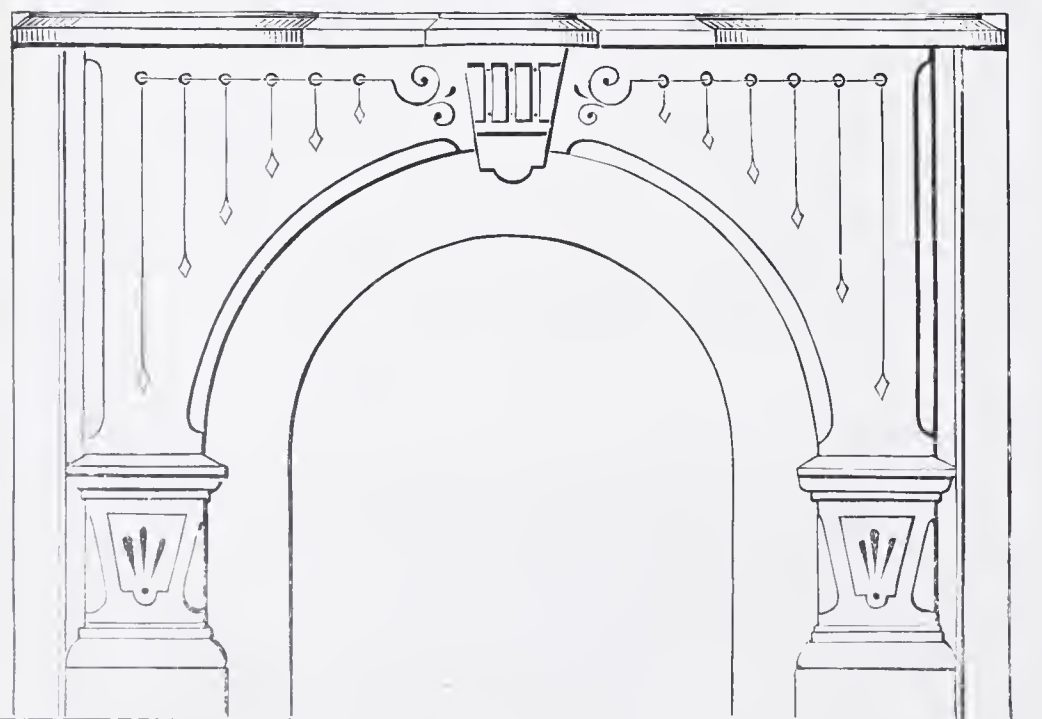
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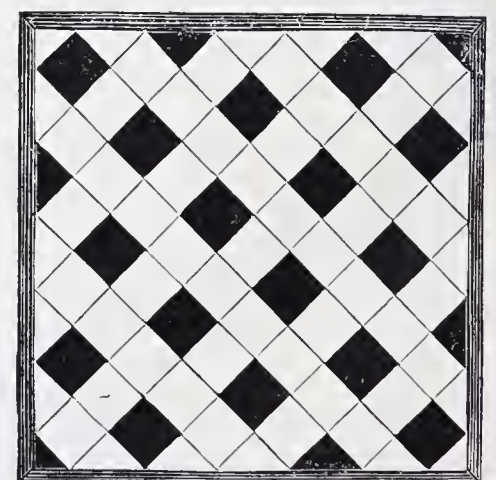


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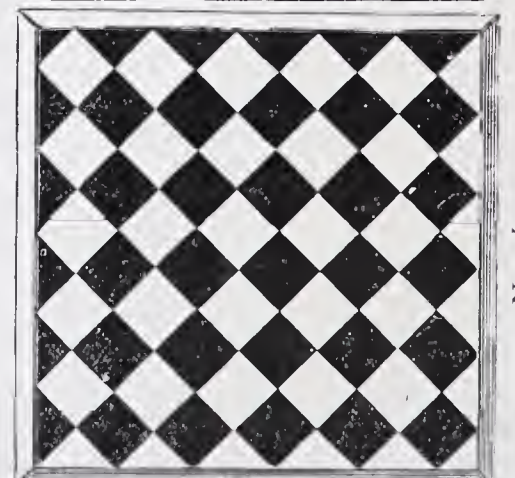


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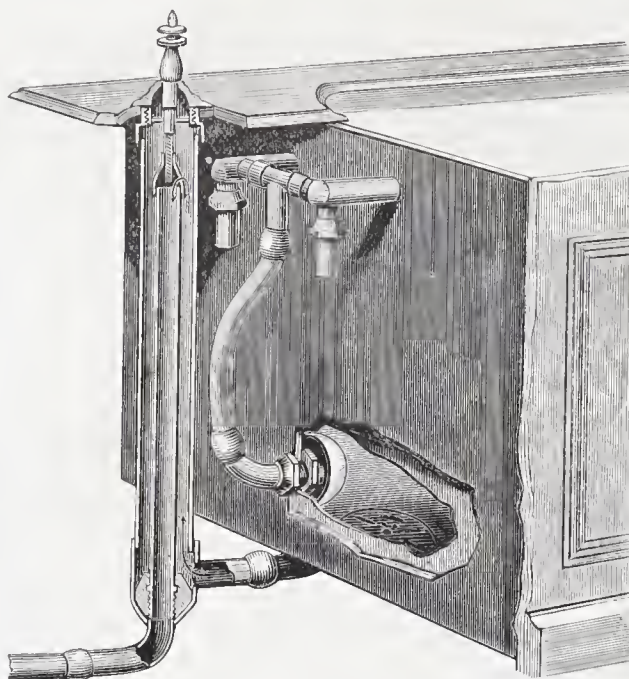
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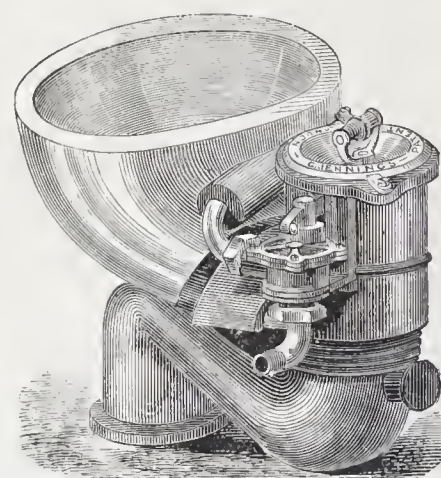
SECTIONAL VIEW OF BATH.

Showing Boston Compression.

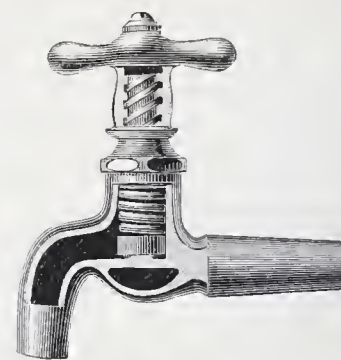
Double Bath Cock.

Foley's Patent Bath Valve.

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Jenning's London Water Closet.

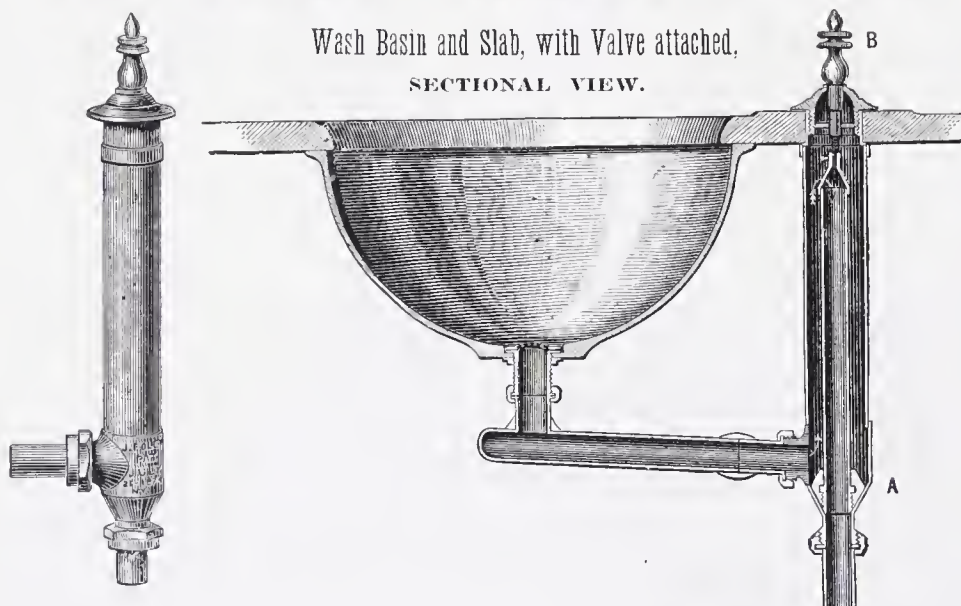


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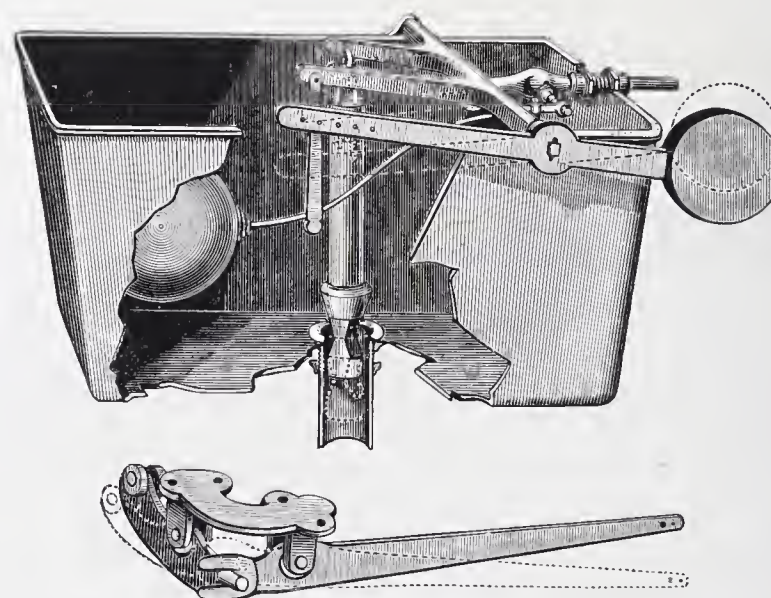
THE FOLEY PATENT VALVE.

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As represented in above cuts, will be found upon an examination to be entirely free from the objections which have hitherto prevailed against the use of valves for these purposes. The chamber or tube coming through and flush with the top of marble slab, and the plate and pull being screwed into the chamber from the top or outside, allows for the removal of the working parts in case of any obstruction in so simple a manner as to entirely overcome the disadvantages of the old style valve. It will also be noticed that Rubber has been substituted for the brass disc, thus insuring a more durable and much more reliable article.



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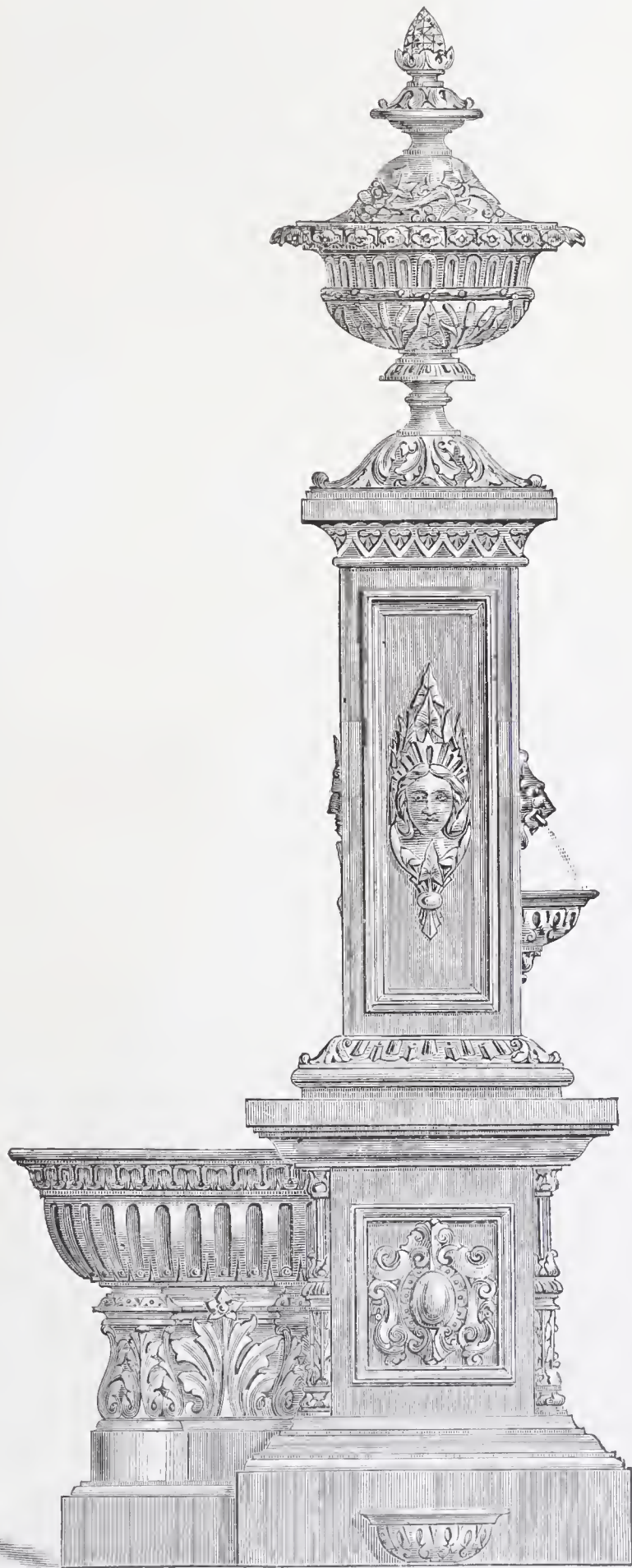
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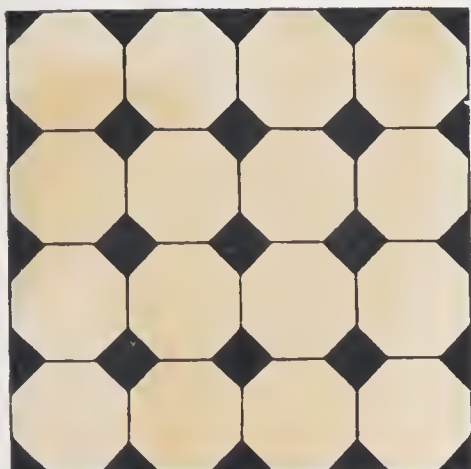
Patterns of Minton's Tiles for Floors,

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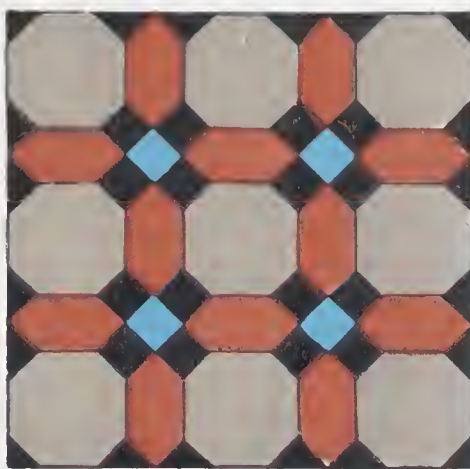
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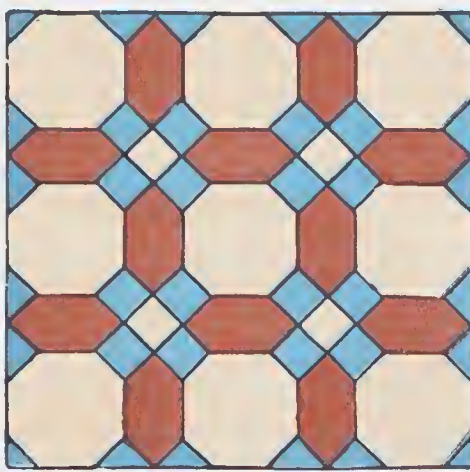
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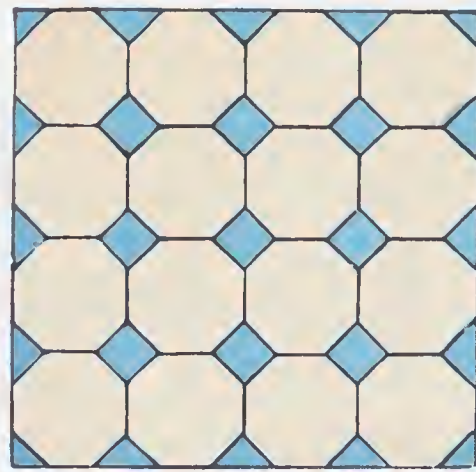
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